

Estudio para análisis de falla EAF 020/2021

"Falla en la línea 66 kV Parinacota - Quiani"

Fecha de Emisión: 12-02-2021

1. Descripción general de la interrupción

a. Fecha y Hora de la falla

Fecha	23/01/2021
Hora	22:24
Consumos desconectados (MW)	6,4
Demanda previa del sistema (MW)	9378.5
Porcentaje de desconexión	0.069 %
Calificación Apagón	No aplica (porcentaje de desconexión < 10%)

b. Identificación instalación afectada

Nombre de la instalación	Línea 66 kV Parinacota - Quiani / LT258CI1TR01----T005
Tipo de instalación	Línea de Transmisión
Tensión nominal	66 kV
Segmento	Transmisión zonal
Propietario instalación fallada	Compañía General de Electricidad S.A.
RUT	76.411.321-7
Representante Legal	Iván Arístides Quezada Escobar (*)
Dirección	Av. Presidente Riesco 5561, piso 14, Las Condes, Santiago

c. Identificación del elemento fallado

Nombre del elemento afectado	Línea 66 kV TAP OFF Quiani - Estructura N°6 / LT259CI1TR01----T005
Propietario elemento fallado	Compañía General de Electricidad S.A.
RUT	76.411.321-7
Representante Legal	Iván Arístides Quezada Escobar (*)
Dirección	Av. Presidente Riesco 5561, piso 14, Las Condes, Santiago

d.1 Origen y causa de la falla

Según lo informado por la empresa CGE S.A., se produjo la desconexión forzada de la línea 66 kV Parinacota - Quiani producto de una falla en el tramo Estructura N°6 - Tap Off Quiani 66 kV, por descarga eléctrica entre las fases A y C en aisladores de la estructura N°30, lo que provocó la actuación de las protecciones de distancia en zona 1 del Paño B3 de S/E Parinacota.

La empresa CGE S.A. señala que en la revisión efectuada no se detectó el origen de la descarga eléctrica en los aisladores, y que se presume que pudo haber sido causada por alguna ave o por acción de terceros.

d.2 Fenómeno Físico:

OTR2: origen desconocido.

La empresa CGE S.A., indica en su informe de falla de 5 días que en la revisión efectuada no se pudo determinar el origen de la falla.

d.3 Reiteración:

Reiteración Fenómeno Físico en la instalación afectada: Esta instalación no ha sido afectada por el mismo fenómeno físico, durante los últimos 24 meses móviles.

Reiteración Fenómeno Físico en instalaciones del mismo propietario: Sí se han producido fallas en instalaciones del mismo propietario con un fenómeno físico similar (homologado), durante los últimos 24 meses móviles.

FALLA_ID	NOMBRE_FALLA	FECHA_FALLA	FENOMENO_FISICO	ACCIONES_CORRECTIVAS
EAF 115_2019	Falla en línea 66 kV Chiguayante - Quilacoya	26-02-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican.
EAF 170_2019	Desconexión forzada L. 66kV Monterrico-Cocharcas	18-04-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican
EAF 196_2019	Desconexión forzada línea 66 kV Talca-Villa Alegre	13-05-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican.
EAF 260_2019	Falla en línea 2x66 kV Andalicán - Horcones	13-06-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican.
EAF 294_2019	Desconexión forzada línea 66 kV Talca - San Javier	10-07-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican.
EAF 295_2019	Falla en línea 66 kV Los Buenos Aires - Nahuelbuta	11-07-2019	OTR2: Origen no determinado (trip de interruptor)	La empresa STS S.A. no indica acciones correctivas de corto ni de largo plazo. La empresa CGE S.A. indica que No Aplica acciones correctivas de corto y largo plazo. La empresa Mainco SpA no indica acciones correctivas de corto ni de largo plazo. La empresa Hidroangol S.A. indica que No Aplica acciones correctivas de corto y largo plazo. La empresa Enel Green Power del Sur SpA no indica acciones correctivas de corto plazo. La empresa Eólica la Esperanza S.A. no indica acciones correctivas de corto plazo.
EAF 328_2019	Falla en línea 66 kV Los Ángeles-Los Buenos Aires	18-08-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican
EAF 377_2019	Desconexión forzada barra 13.8 kV de S/E Pacífico	13-10-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican

FALLA_ID	NOMBRE_FALLA	FECHA_FALLA	FENOMENO_FISICO	ACCIONES_CORRECTIVAS
EAf 426_2019	Apertura intempestiva interruptor 52H1 SE Mariscal	09-12-2019	OTR2: Origen no determinado (trip de interruptor)	La empresa CGE S.A. indica lo siguiente: Se reestablece el cargador de baterías, se verifica su normal funcionamiento y se supervisa la carga completa del banco de baterías. Se revisa el sistema de control sin encontrarse anomalías que expliquen la causa de la apertura del interruptor 52H1 de S/E Mariscal. Se proyecta ampliar la capacidad del banco de baterías de la subestación, para que tenga una mayor autonomía, reemplazando el actual banco de 100 Ah a uno de 300 Ah. Se reemplazará el actual cargador de baterías de 20 A por uno de mayor capacidad. Según ofertas recibida por proveedores, estos equipamientos tienen un plazo de adquisición y entrega de entre 16 y 20 semanas, por lo cual se tiene previsto tener el reemplazo realizado en junio de 2020.
EAf 431_2019	Falla en línea 66 kV Chiguayante - Quilacoya	15-12-2019	OTR2: Origen no determinado (trip de interruptor)	No se indican
EAf 032_2020	Desc. forzada L. 110 kV Tierra Amarilla - Plantas	24-01-2020	OTR2: Origen no determinado.	La empresa CGE S.A. señala como acciones correctivas de corto plazo la inhabilitación del relé GE F60 asociado al paño H4 de S/E Tierra Amarilla mediante curso forzoso 202008248 y la realización de pruebas al relé. La empresa CGE S.A. señala que indicará las acciones correctivas de largo plazo en función de los resultados de las pruebas del relé GE F60.
EAf 035_2020	Desconexión transformador 66/13.8 kV S/E Licantén	27-01-2020	OTR2: Origen no determinado.	No se indican
EAf 039_2020	Desconexión línea 66 kV San Javier - Constitución	31-01-2020	OTR2: Origen no determinado.	No se indican
EAf 047_2020	Apertura del interruptor 52H2 de S/E Quelentaro	03-02-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica las siguientes acciones correctivas de corto plazo: - Mediante SD 2020014525 se realizará el cambio en el modo de sincronización horaria de esquema EDAC x CE de Paño H2 de SE Quelentaro. - Mediante SD 2020014526 se realizará el cambio en el modo de sincronización horaria de esquema EDAC x CE de Paño B3 de SE Las Arañas. - Revisar en conjunto con el representante de SEL en Chile la configuración del registro de eventos y oscilográfico de las protecciones de frecuencia
EAf 099_2020	Falla en línea 66 kV Illapel - Combarbalá	11-03-2020	OTR2: Origen no determinado.	No se indican.
EAf 105_2020	Falla en línea 66 kV Illapel - Combarbalá	16-03-2020	OTR2: Origen no determinado.	No se indican.
EAf 106_2020	Falla en línea 66 kV Punitaqui - Combarbalá	16-03-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 139_2020	Falla en línea 66 kV Punitaqui - El Sauce	22-04-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 153_2020	Falla en línea 66 kV Paine - Isla de Maipo	02-05-2020	OTR2: Origen no determinado.	No se indican.
EAf 154_2020	Falla en línea 66 kV Paine - Isla de Maipo	02-05-2020	OTR2: Origen no determinado.	No se indican.
EAf 161_2020	Falla en línea 66 kV Punitaqui - El Sauce	07-05-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 191_2020	Desconexión forzada LT 66 kV Concepción - Coronel C1	05-06-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 192_2020	Desconexión forzada de barra 23 kV de S/E Pucón	06-06-2020	OTR2: Origen no determinado.	CGE S.A. indica: A través de la SD N° 2020044046 se revisará la conexión de la protección al reloj satelital ya que hay un desfase de minutos entre la protección y el Scada

FALLA_ID	NOMBRE_FALLA	FECHA_FALLA	FENOMENO_FISICO	ACCIONES_CORRECTIVAS
EAf 201_2020	Falla en línea 66 kV Chiguayante - Quilacoya	11-06-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 213_2020	Falla en línea 110 kV Ovalle - Illapel	17-06-2020	OTR2: Origen no determinado.	Según lo informado por CGE S.A.: Motivado por la reconexión fallida, se realizará la revisión de los ajustes de los parámetros de reconexión y verificación en terreno (el tiempo de ejecución será de 2 meses).
EAf 218_2020	Falla en línea 66 kV Chiguayante - Quilacoya	20-06-2020	OTR2: Origen no determinado.	La empresa CGE S.A. no indica acciones correctivas de corto ni de largo plazo.
EAf 249_2020	Falla en línea 66 kV Chiguayante - Quilacoya	12-07-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo.
EAf 266_2020	Falla en línea 66 kV Los Buenos Aires - Nahuelbuta	24-07-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica que no aplican acciones correctivas de corto ni de largo plazo. La empresa Frontel S.A. indica: Se realizará una investigación minuciosa del elemento protección de distancia sistema 2 SEL 311L del paño B1 de SE Nahuelbuta.
EAf 266_2020	Falla en línea 66 kV Los Buenos Aires - Nahuelbuta	24-07-2020	OTR2: Origen no determinado.	No se indican.
EAf 306_2020	Falla en interruptor 52CT de S/E Placilla	12-09-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica la siguiente acción correctiva de corto plazo: Se reemplaza en forma inmediata el interruptor 52CT de SE Placilla por uno de las mismas características.
EAf 348_2020	Falla en línea 66 kV Concepción - Tomé	09-11-2020	OTR2: Origen no determinado.	La empresa CGE S.A. señala que No aplica
EAf 358_2020	Falla en línea 66 kV Los Ángeles-Los Buenos Aires	23-11-2020	OTR2: Origen no determinado.	La empresa CGE S.A. señala que No aplica
EAf 371_2020	Desconexión forzada barra 15 kV N°1 de S/E San Pedro	11-12-2020	OTR2: Origen no determinado.	La empresa CGE S.A. no indica acciones correctivas
EAf 381_2020	Falla en línea 66 kV Andalicán - Horcones N°2	18-12-2020	OTR2: Origen no determinado.	La empresa CGE S.A. indica las siguientes acciones correctivas: - Corto plazo: Se realizará una revisión de la activación de las variables de los relés paños B3 y B9 SE Curanilahue Norte por sobre escritura e incluirá otras variables. - Largo Plazo: Se realizará un análisis de los detectores de falla paños 52B3 y 52B9 SE Curanilahue norte que operan en zona 1 ante la pérdida de tensión. Fecha implementación 31 marzo 2021.

Cantidad de fallas (sin importar Fenómeno Físico) en la misma instalación: Se han producido una falla en la misma instalación afectada, durante los últimos 24 meses móviles, correspondiente al Estudio para Análisis de Falla EAF 053-2019 y EAF 172-2019.

d.4 Fenómeno eléctrico

DI21: Distancia.

e. Detalles de la instalación, equipo o elemento donde se produjo la falla

El elemento donde se originó la falla corresponde a la línea 66 kV Parinacota - Quiani, en el tramo Estructura N°6 - Tap Off Quiani 66 kV, la cual tiene una longitud de 3,6 km, con una capacidad nominal de 41 MVA (a 25°C con sol y tensión nominal), de acuerdo con la información disponible en la plataforma de Infotécnica del Coordinador Eléctrico Nacional.

La empresa CGE S.A. no envía información de los mantenimientos de esta instalación durante los últimos 24 meses.

f. Ubicación urbana o rural según DS 327/1997

Urbano.

g. Proposición del propietario respecto del origen de la falla

No informada.

h. Comuna donde se presenta la falla

15101: Arica

i. Fecha de entrega de la información al Coordinador

Coordinado	Informe de 48 horas (25-01-2021)	Informe de 5 días (29-01-2021)
CGE S.A.	24-01-2021	10-02-2021
TRASEMEL S.A.	27-01-2021	10-02-2021

2. Descripción del equipamiento afectado

a. Sistema de Generación

b. Sistema de Transmisión

Elemento Afectado	Segmento	Tramo	Hora Desc.	Hora Norm.
66 kV Parinacota - Quiani	ST Zonal	Parinacota - Estructura N°6 66 kV	22:24	04:36 (24-01-2021)
66 kV Parinacota - Quiani	ST Zonal	Estructura N°6 - Quiani 66 kV	22:24	04:36 (24-01-2021)
66 kV Parinacota - Quiani	ST Zonal	Estructura N°6 - Tap Off Quiani 66 kV	22:24	04:36 (24-01-2021)

- Los montos y las horas señaladas corresponden a lo informado por la empresa CGE S.A.

c. Consumos

Sub-Estación	Alimentador / Paño	Comuna	Pérdida de Consumo (MW)	% consumo pre-falla	Clientes Afectados	H. Desc.	H. Dispon.	H. Norm.
S/E Quiani	Norte / 52C12	Arica (*)	0,97	0,010	2838	22:24	04:36 (24-01-21)	23:48
S/E Quiani	Lluta / 52C13	Arica (*)	4,22	0,045	1494	22:24	04:36 (24-01-21)	01:22 (24-01-21)
S/E Quiani	Chungará / 52C14	Arica (*)	1,25	0,013	3836	22:24	04:36 (24-01-21)	23:33

Total: 6,4 MW 0.069 % 8168

- Los montos y horarios señalados corresponden a lo informado por las empresas CGE S.A.

(*) La empresa CGE S.A. no identifica la comuna afectada por alimentador.

3. Estimación de la energía no suministrada

Sub-Estación	Alimentador / Paño	Empresa	Tipo de Cliente	Pérdida de Consumo (MW)	Tiempo Indispon. (h)	Tiempo Desc. (h)	ENS (MWh)
S/E Quiani	Norte / 52C12	CGE	Regulado	0,97	6,20	1,40	1,35
S/E Quiani	Lluta / 52C13	CGE	Regulado	4,22	6,20	2,97	12,52
S/E Quiani	Chungará / 52C14	CGE	Regulado	1,25	6,20	0,15	0,19

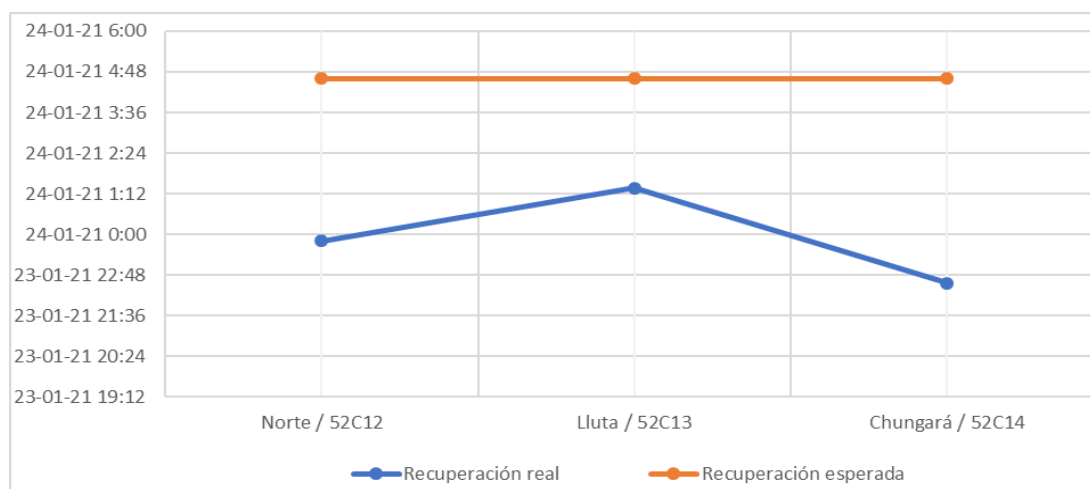
Clientes Regulados : 14,06 MWh

Clientes Libres : 0 MWh

Total : 14,06 MWh

- Los montos señalados corresponden a lo informado por las empresas CGE S.A.

- Curva de recuperación esperada v/s recuperación real.



Las diferencias que se observan entre el horario de recuperación real respecto del horario de disponibilidad de la barra primaria respectiva, se deben que los consumos de la S/E Quiani fueron recuperados anticipadamente a través de las redes de distribución, según lo informado por la empresa CGE S.A.

- Velocidad promedio de recuperación.

Rango	Potencia (MW)	Tiempo recuperación (h)	Velocidad de recuperación (MW/h)
Primer 80 %	5,15	2,97	1,74
Último 20 %	1,29	0,15	8,58
100 % Total	6,44	0,15	42,91

4. Descripción de las configuraciones en los momentos previo y posterior a la falla

Demanda del sistema previo a la falla: 9378.5 MW

Regulación de Frecuencia

Control distribuido de frecuencia en el Sistema Eléctrico Nacional, previo a la falla, mediante las centrales Angostura (U2), Cipreses (U1, U2 y U3), Colbún (U1 y U2), El Toro (U1, U2, U3 y U4), Kelar (TG12), Pehuenche (U1) y Ralco (U1).

Operación Programada

En Anexo N°1 se adjunta el detalle de la generación programada para el día 23 de enero de 2021.

Operación Real

En Anexo N°2 se adjunta el detalle de la generación real del día 23 de enero de 2021.

Movimiento de centrales e informe diario del CDC

En Anexo N°3 se presenta el detalle del movimiento de centrales e informe diario del CDC para el día 23 de enero de 2021.

Mantenimientos

En Anexo N°4 se presenta el detalle de los mantenimientos programados y forzados para el día 23 de enero de 2021.

Estado y configuración previo a la falla

Previo a la Falla el interruptor 52B1 de S/E Tap Off Quiani se encontraba abierto.

Otros antecedentes relevantes

Según lo señalado por CGE S.A.:

"A las 22:24 horas del día 23-01-2021 se produce apertura del Interruptor 52B3 de S/E Parinacota, correspondiente a la LT línea Parinacota – Quiani 66Kv.

La falla se debió a descarga eléctrica entre las fases A y C en la estructura N°30 del tramo de línea "LT Estructura N°6 – Subestación Quiani 66kV" de propiedad de CGE, donde se encuentran dañados dos aisladores adicionales de suspensión de aislador principal de la Línea 66 Kv. Parinacota – Quiani.

Las protecciones operaron correctamente de acuerdo a sus ajustes, la normalización de los consumos se inició a las 23:33 horas finalizando a las 01:22 horas del día siguiente. La normalización del paño 52B3 de S/E Parinacota se produjo a las 04:36 del siguiente día".

Adicionalmente, indicaron que los "Interruptores 52C12, 52C13 y 52C14 quedaron abiertos por trabajos programados".

Estos trabajos estaban asociados a la SD del Sistema Neomante, N°2021002727.

2021002727	TRANSEMEL	Programada	Línea ➤ PARINACOTA - QUIANI 66KV - ➤ Desconexión / Origen Interno / Programada ➤ No tiene consumo afectado ➤ Trabajos a Realizar: CAMBIO DE TIRANTES DESDE POSTE N°01 Y N°38 EN LA LT TAP/OFF QUIANI - QUIANI. Ver menos ➤ Desc. Nivel Riesgo: NO HAY RIESGOS MAYORES. ➤ Comentarios Adicionales: S/E PARINACOTA ABIERTOS 52B3, 89B3-1, 89B3-2 Y CERRAR 89B3-2T. S/E QUIANI ABIERTO 89BL2 Y CERRADO 89BL2-2T. TAP/OFF QUIANI ABIERTO 52B1 Y 89B1-1. LAS CARGAS DE S/E QUIANI SERÁN TRANSFERIDAS A S/E CHINCHORRO. Ver menos	24-01-2021 08:00 Fecha Efectiva Inicio 24-01-2021 10:31	24-01-2021 17:00 Fecha Efectiva Fin 24-01-2021 18:55

Según lo señalado por Transemel S.A.:

"Falla externa a instalaciones de Transemel, lo cual provocó la apertura del Interruptor 52B3 de Subestación Parinacota, este evento se produjo a las 22:24 hrs. Tras confirmación de CGE del despeje y normalización de la instalación fallada se energizó la línea Parinacota – Quiani a las 04:36 hrs. Las protecciones actuaron correctamente conforme a los ajustes."

Acciones preventivas y/o correctivas

a) La instalación afectada no cuenta con una auditoría, plan de acción u otro tipo de mantenimiento en curso.

b) Acciones correctivas a corto plazo:

La empresa CGE S.A. indica que "Se realizó el cambio inmediato de los aisladores dañados".

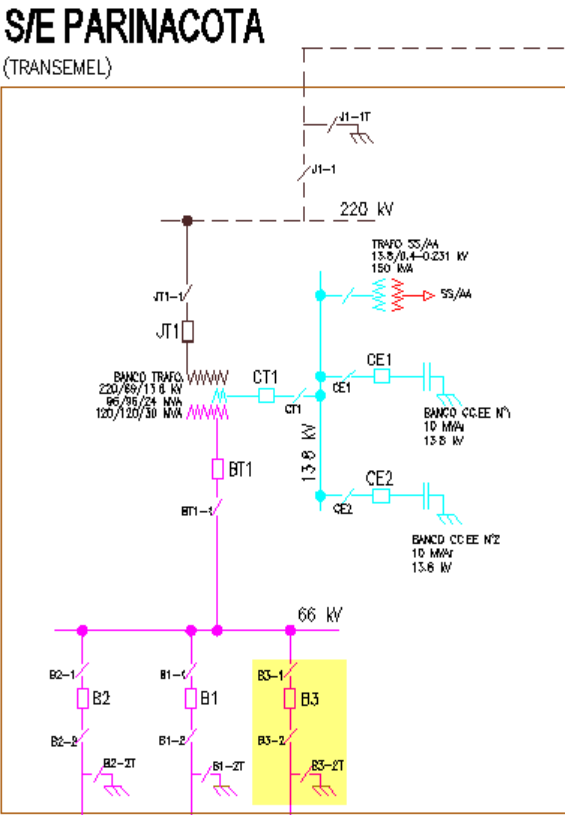
La empresa Transemel S.A. indica que "no aplica" ejecutar acciones correctivas a corto plazo.

c) Acciones correctivas a largo plazo:

La empresa CGE S.A. indica que "no aplica" ejecutar acciones correctivas a largo plazo.

La empresa Transemel S.A. indica que "no aplica" ejecutar acciones correctivas a largo plazo.

Diagrama simplificado de las instalaciones previo a la falla



5. Cronología de eventos y la descripción de las causas de los eventos

Hora	Involucrado	Evento
22:24	CGE	Apertura automática del interruptor 52B3 de S/E Parinacota, correspondiente a la línea 66 kV Parinacota - Quiani, por medio de la operación de su protección de distancia de fases, en primera zona, originada por una falla en el tramo Estructura N°6 - Tap Off Quiani 66 kV.

- Las horas señaladas corresponden a lo informado por la empresa CGE S.A.

6. Normalización del servicio

Fecha	Involucrado	Hora	Acción
23/01/2021	Transemel	23:16	Apertura Manual del desconectador 89C13 de S/E Quiani, asociado al Alimentador Lluta.
23/01/2021	Transemel	23:18	Apertura Manual del desconectador 89C12 de S/E Quiani, asociado al Alimentador Norte.
23/01/2021	Transemel	23:20	Apertura Manual del desconectador 89C14 de S/E Quiani, asociado al Alimentador Chungará.
23/01/2021	Transemel	23:33	Normalización del consumo del Alimentador Chungará de S/E Quiani, por redes de distribución.
23/01/2021	Transemel	23:48	Normalización del consumo del Alimentador Norte por redes de distribución.
24/01/2021	Transemel	01:22	Normalización del consumo del Alimentador Lluta por redes de distribución.
24/01/2021	CGE	04:36	Cierre manual del interruptor 52B3 de S/E Parinacota. Se normaliza la línea 66 kV Parinacota - Quiani.
24/01/2021	Transemel	18:55	Interruptores 52C12, 52C13, 52C14 de S/E Parinacota quedaron abiertos por trabajos programados, asociados a la SD del Sistema Neomante N° 2021002727.

- Las horas y fechas señaladas corresponden a lo informado por las empresas CGE S.A. y Transemel S.A.

7. Análisis de las causas de la falla y de la actuación de los dispositivos de protección y control

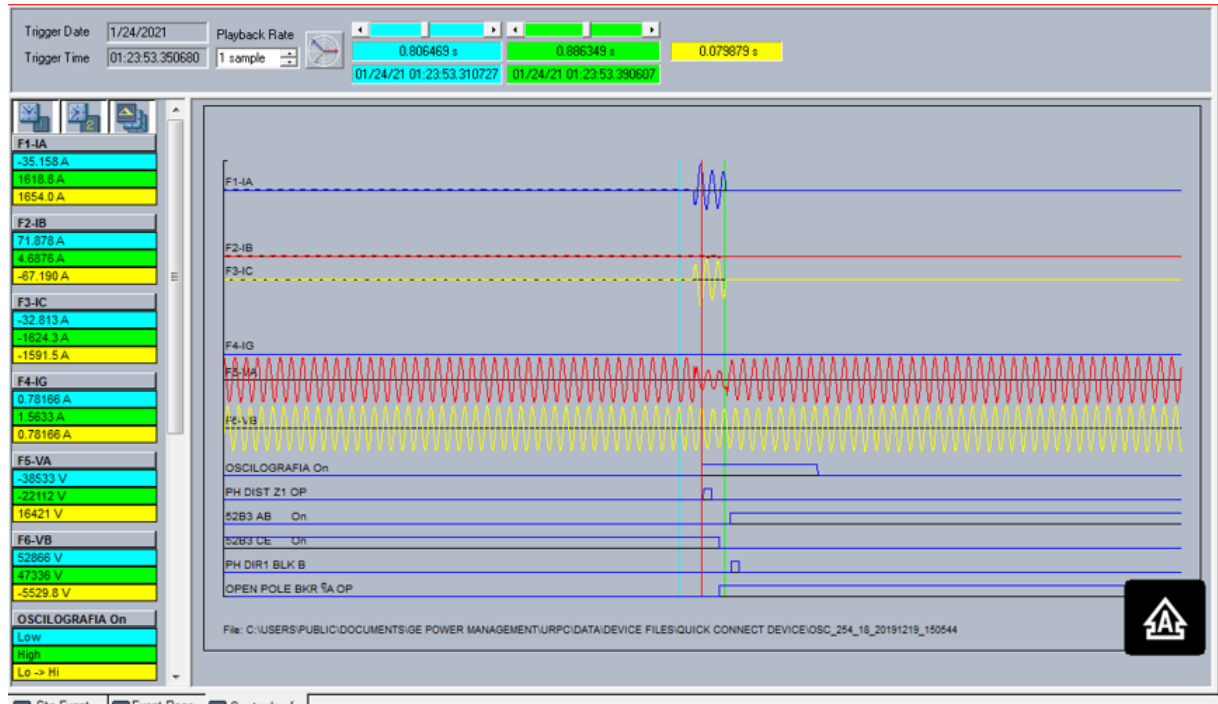
Según lo informado por la empresa CGE S.A., se produjo la desconexión forzada de la línea 66 kV Parinacota - Quiani, producto de una falla en el tramo Estructura N°6 - Tap Off Quiani 66 kV, por descarga eléctrica entre las fases A y C en los aisladores de la estructura N°30, lo que provocó la actuación de las protecciones de distancia en zona 1 del Paño B3 de S/E Parinacota.

Como consecuencia de lo anterior, se produjo la pérdida de 6,4 MW de consumos de la S/E Quiani.

Operación de protecciones del paño B3 de S/E Parinacota - Relé GE-D60

A continuación, se presenta el registro oscilográfico y resumen de eventos de la protección Relé GE-D60 asociada al paño B3 de S/E Parinacota:

Registro oscilográfico:



La siguiente figura muestra el registro oscilográfico de la operación de protecciones asociado al interruptor 52B3 de S/E Parinacota. Se observa la presencia de una sobrecorriente en las fases A y C de la línea 66 kV Parinacota – Quiani – Tap Off Quiani.

Adicionalmente, se observa la activación del elemento de protección de distancia para fallas entre fases en zona 1 (PH DIST Z1 OP), y la apertura del interruptor 52B3 (52B3AB).

Registro secuencial de evento:

File Name	C:\Users\Public\Documents\GGE Power Management\URPC\Data\Device Files\Quick Connect Device\EVT_254_20191219_150544.EVT		
Date / Time of Last Clear	Thursday, December 19, 2019 15:05:44		
Events Since Last Clear	40139	Shown Number of Events	1024
0 days : 20 h : 11 m : 14.609397 s			
Event Number	Date/Time	Cause	Data
40042	Jan 24 2021 01:23:53.415558	TX 85D-B Off	
40041	Jan 24 2021 01:23:53.415558	TRIP2 52B3-B Off	
40040	Jan 24 2021 01:23:53.415558	TRIP1 52B3-B Off	
40039	Jan 24 2021 01:23:53.415558	PH DIR1 BLKB Off	
40038	Jan 24 2021 01:23:53.413060	AR BKR1 BLK	
40037	Jan 24 2021 01:23:53.403079	PH DIR1 BLKB On	
40036	Jan 24 2021 01:23:53.403079	PH DIR1 BLK B	
40035	Jan 24 2021 01:23:53.396781	52B3 AB On	
40034	Jan 24 2021 01:23:53.380624	BLOCK SOTF Off	
40033	Jan 24 2021 01:23:53.377273	52B3 CE Off	
40032	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40031	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40030	Jan 24 2021 01:23:53.368149	TX 85A/C Off	
40029	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO CA	
40028	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO BC	
40027	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO AB	
40026	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO CA	
40025	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO BC	
40024	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO AB	
40023	Jan 24 2021 01:23:53.365651	OPEN POLE OP C	
40022	Jan 24 2021 01:23:53.365651	OPEN POLE OP B	
40021	Jan 24 2021 01:23:53.365651	OPEN POLE OP A	
40020	Jan 24 2021 01:23:53.356168	PH DIST Z1 OP AB	
40019	Jan 24 2021 01:23:53.356168	PH DIST Z1 PKP AB	
40018	Jan 24 2021 01:23:53.355673	TX 85D-C On	
40017	Jan 24 2021 01:23:53.355673	TX 85D-B On	
Quick Connect Device Actual Values: Records			
40007	Jan 24 2021 01:23:53.355673	PAR2 50BF-C On	
40006	Jan 24 2021 01:23:53.355673	PAR2 50BF-B On	
40005	Jan 24 2021 01:23:53.355673	PAR2 50BF-A On	
40004	Jan 24 2021 01:23:53.355673	TRIP 3-POLE	
40003	Jan 24 2021 01:23:53.355673	TRIP PHASE C	
40002	Jan 24 2021 01:23:53.355673	TRIP PHASE B	
40001	Jan 24 2021 01:23:53.355673	TRIP PHASE A	
40000	Jan 24 2021 01:23:53.355673	FAULT RPT TRIG	
39999	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP C	
39991	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP A	
39990	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP CA	
39989	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP CA	
39988	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP BC	
39987	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP BC	

En el registro secuencial de eventos, se observa la operación de la función de distancia en zona 1 (DIST Z1 OP CA, evento N° 39989), la orden de trip sobre el interruptor 52 B3 de S/E Parinacota (TRIP1 52B3, evento N°40004), originando la apertura del interruptor (52B3 CE Off, evento N°40033). El tiempo de apertura del interruptor fue de 21,6 ms (eventos N°40004 y N°40033).

La empresa CGE S.A. indica que por filosofía de protecciones la reconexión automática no está habilitada en las protecciones asociadas al interruptor 52B3 de S/E Parinacota.

La empresa Transemel S.A no identificó si el registro secuencial y oscilográfico entregado pertenece al sistema 1 o sistema 2 de protecciones asociado al interruptor 52B3 de S/E Parinacota.

8. Detalle de toda la información utilizada en la evaluación de la falla

Detalle de la generación programada para el día 23 de enero de 2021 (Anexo N°1).

Detalle de la generación real del día 23 de enero de 2021 (Anexo N°2).

Detalle del Movimiento de Centrales e Informe Diario del CDC correspondientes al día 23 de enero de 2021 (Anexo N°3).

Detalle de los mantenimientos programados y forzados para el día 23 de enero de 2021 (Anexo N°4).

Informes de fallas de instalaciones ingresados en el sistema del Coordinador Eléctrico Nacional por las empresas CGE S.A. y Transemel S.A. (Anexo N°5).

Otros antecedentes aportados por las empresas CGE S.A. y Transemel (Anexo N°6).

9. Análisis de las actuaciones de protecciones

9.1 Pronunciamiento Coordinador Eléctrico Nacional

Según lo informado por la empresa CGE S.A., se produjo la desconexión forzada de la línea 66 kV Parinacota - Quiani producto de una falla en el tramo Estructura N°6 - Tap Off Quiani 66 kV, por descarga eléctrica entre las fases A y C en aisladores de la estructura N°30, lo que provocó la actuación de las protecciones de distancia en zona 1 del Paño B3 de S/E Parinacota.

9.2 Incumplimiento Normativo

Los incumplimientos normativos detectados en el desarrollo de la falla, por parte de los involucrados son:

CGE S.A.

- Completitud de la información correspondiente al Informe de Falla de 5 días, de acuerdo con lo indicado en las Resoluciones Exentas de la SEC N°30891-2019 y N°30989-2019.
- Plazo de envío del informe de falla de 48 horas y 5 días, de acuerdo con lo indicado en el Título 6-7 de la NTSyCS vigente.

Transemel S.A.

- Completitud de la información correspondiente al Informe de Falla de 5 días, de acuerdo con lo indicado en las Resoluciones Exentas de la SEC N°30891-2019 y N°30989-2019.
- Plazo de envío del informe de falla de 48 horas y 5 días, de acuerdo con lo indicado en el Título 6-7 de la NTSyCS vigente.

9.3 Estándares Normativos Art. 1-14 NTSyCS

Los incumplimientos del propietario del elemento afectado, reportados en la versión vigente del "Informe Anual de Cumplimientos, Artículo 1-14 Norma Técnica de Seguridad y Calidad de Servicio", no incidieron en el origen y causa de la falla, ni en el desarrollo de las maniobras que permitieron la normalización de servicio.

9.4 Desempeño de Protecciones Eléctricas y Modo de operación de interruptores

Según los antecedentes proporcionados por las empresas CGE S.A. y Transemel S.A., y el respectivo análisis realizado por el Coordinador:

- Se concluye correcta operación de las protecciones del paño B3 de S/E Parinacota.
- Se concluye correcto modo de operación del interruptor 52B3 de S/E Parinacota de propiedad de Transemel S.A.

9.5 Desempeño EDAC

No aplica pronunciarse sobre el desempeño de EDAC ante este evento.

9.6 Desempeño EDAG

No aplica pronunciarse sobre el desempeño de EDAG ante este evento.

10. Análisis de las acciones e instrucciones del CDC y la actuación de los CC que corresponda

No hay observaciones respecto de Planes de Recuperación de Servicio asociados a las instalaciones involucradas, ni de las actuaciones del CDC y los respectivos CC durante la falla del día 23 de enero de 2021.

11. Recomendación respecto de las instalaciones a las cuales el Coordinador Eléctrico Nacional debería solicitar una auditoría

Se solicitará a la empresa CGE S.A. y Transemel S.A la información faltante de acuerdo con lo indicado en las Resoluciones Exentas de la SEC N°30891-2019 y N°30989-2019, en particular, lo siguiente;

Empresa CGE S.A.:

- Mantenimientos realizados en la instalación fallada durante los últimos 24 meses.
- Identificar la comuna afectada por cada alimentador desconectado de S/E Quiani.

Empresa Transemel S.A.:

- Identificar del sistema de protección al cual pertenecen los registros oscilográficos y de eventos entregados en su Informe de Falla de 5 días..
- Entregar los registros oscilográficos y de eventos del sistema de protecciones faltante asociado al paño B3 de S/E Parinacota.

Para el análisis de esta falla no se ha requerido la realización de auditorías en ninguna de las instalaciones del SEN.

ANEXO N°1

Detalle de la generación programada para el día 23 de enero de 2021

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	427	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

Hidroeléctricas de Pasada	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	1129	1101	1039	1017	993	983	958	964	950	936	929	971	973	995	970	988	993	1004	1012	1093	1185	1184	1197	1195	24.757
CHAPIQUINA	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	8	8	8	8	8	84
COSAPILLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
ELTORON2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
CAVANCHA	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	42
ALTOHOSPICIO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
SANTAROSA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12
RIOHUASCO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	46
PUCLARO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSMOLLES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34
LAPALOMA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
ELTARTARO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CH-HORNITOS	36	36	32	30	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	32	32	36	716
JUNCAL	20	20	20	18	18	18	17	17	17	17	17	17	17	17	17	17	17	20	22	22	22	22	21	21	452
JUNCALITO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13
COMPANIA-2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
BLANCO	38	36	33	30	29	24	24	23	23	23	23	23	23	23	23	23	23	30	32	34	38	38	38	41	695
LOSQUILOS	27	27	27	27	26	26	26	26	26	25	25	25	25	25	25	26	26	26	26	26	28	28	28	28	630
CHACABUQUITO	18	18	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	18	18	18	397
SAUCEANDES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
CARENA	7	7	7	8	8	7	7	7	7	6	4	4	3	3	3	7	8	7	8	8	8	7	8	7	156
ALFALFAL	137	137	133	133	133	133	129	125	125	125	125	125	127	127	127	127	127	127	127	127	127	133	133	133	3089
MAITENES	12	11	12	12	11	12	12	11	12	12	12	12	12	12	12	11	12	11	12	12	12	12	12	12	873
QUELTEHUES	37	37	37	37	37	37	37	36	36	36	36	35	35	35	35	36	36	36	37	37	37	37	37	37	283
VOLCAN	10	10	11	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	10	10	10	10	241
GUAYACAN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
FLORIDA-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA-2	9	10	10	14	14	13	11	10	10	8	8	8	8	8	7	7	7	6	6	6	5	5	5	6	202
FLORIDA-3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	55
PUNTILLA	18	18	17	18	18	17	17	17	17	16	16	16	16	17	17	17	17	16	15	15	16	16	17	17	394
EYZAGUIRRE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
LASVERTIENTES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
ELLANO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
ELRINCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MALLARAUCO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	72
LOSBAJOS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	125
AUXDELMAIPO	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	103
LOSMORROS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36
COYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAUZAL	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	1229
SAUZALITO	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	288
CHACAYES	95	95	95	95	95	92	92	92	87	87	83	83	83	83	83	83	87	92	95	95	95	95	95	95	2177
SANANDRES	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	960
CONVENTOVIEJO	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	120
LAHIGUERA	130	130	120	110	110	110	110	110	110	100	100	110	110	110	110	110	110	110	110	110	130	130	130	130	2750
LACONFLUENCIA	100	100	100	100	100	100	82	82	82	82	82	110	110	110	82	82	82	82	82	100	110	110	110	110	2290
ELPASO	20	20	20	20	20	20	20	20	20	20	20	20	20	40	40	50	50	40	40	40	40	20	20	20	660
DOSVALLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PALACIOS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

CUMPEO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
DONWALTERIO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	55
MELO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	46
LICAN	10	7	6	2	0	0	0	0	0	0	0	0	0	1	5	6	6	6	13	16	16	16	16	16	142
DONAHILDA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
MARIAELENA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHANLEUFU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TRANQUIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEHUI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
PICHILONCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
PILMAIQUEN	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	16	12	307
RUCATAYO	26	26	15	15	15	15	15	15	19	19	19	25	25	25	25	25	25	25	15	15	15	21	21	21	482
CUMBRES	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	204
PULELFU	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	104
CAPULLO	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	112
MUCHI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LASFLORES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
PALMAR	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	70
CORRENTOSO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
NALCAS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	60
CALLAO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
HIDROBONITO-MC1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	48
HIDROBONITO-MC2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
ENSENADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAARENA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELCOLORADO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12
COLLIL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
DONGO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14

Eólicas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	529	522	501	491	497	505	519	514	485	457	458	484	532	582	617	636	649	671	685	683	616	547	521	500	13.202
PE-SIERRAGORDA	1	2	2	3	5	10	19	25	19	8	5	9	18	28	40	58	70	82	95	86	46	12	2	1	646
PE-VALLEDELOSIENTOS	1	0	0	1	2	2	2	2	1	0	1	5	18	37	52	65	69	70	68	60	46	27	12	3	544
PE-TALTAL	53	49	36	22	15	12	10	8	7	6	6	8	14	27	41	47	45	39	31	21	11	5	6	12	530
PE-SARCO	2	2	2	2	2	3	3	2	0	0	0	0	0	0	0	0	0	0	0	10	9	5	5	6	53
PE-CABOLEONES-1	0	1	1	1	1	2	2	2	3	3	5	9	10	9	6	5	5	5	5	6	5	3	2	2	92
PE-CABOLEONES-2	8	8	7	7	8	8	9	10	11	11	12	14	16	15	14	13	12	13	17	21	23	22	19	16	311
PE-CABOLEONES-3	3	2	2	2	3	4	4	5	4	4	4	5	6	6	5	4	4	5	6	7	8	8	7	5	113
PE-SANJUAN	2	2	2	2	3	3	3	2	2	2	3	3	3	4	4	4	6	8	12	17	14	8	6	5	121
PE-PUNTACOLORADA	0	0	0	0	0	0	0	0	0	0	0	2	4	5	5	5	5	5	5	4	3	1	0	0	44
PE-ELARRAYAN	1	2	2	3	4	4	4	4	4	4	4	5	6	6	5	5	4	3	2	1	1	1	2	2	77
PE-TALINAYPONIENTE	1	1	2	3	5	6	7	6	5	3	3	4	5	6	6	6	5	3	2	2	1	1	2	2	86
PE-TALINAYORIENTE	2	3	3	4	5	6	5	5	5	4	4	6	8	12	16	18	18	17	14	10	7	4	3	3	181
PE-PUNTASIERRA	0	1	2	3	4	6	7	6	5	5	5	6	5	5	4	2	1	1	0	0	0	0	0	0	68
PE-LOSCURUROS	2	2	4	5	6	7	8	7	7	6	5	5	4	4	4	4	5	4	3	3	2	1	1	1	98
PE-MONTEREDONDO	1	1	1	2	3	3	3	3	3	3	3	3	2	1	1	1	1	0	0	0	0	0	0	0	40
PE-PUNTA PALMERAS	0	1	2	1	1	2	3	3	2	3	3	4	3	2	1	1	0	0	0	0	0	0	0	0	30
PE-CANELA	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	13
PE-CANELA-2	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	1	20
PE-TOTAL	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	11
PE-UCUQUER-2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	0	0	0	19

Periodo Desde: 23-01-2021 - 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

PE-UCUQUER	0	0	0	0	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0
PE-LASPENAS	6	5	5	5	5	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4
PE-ELMAITEN	6	6	6	6	6	6	6	6	5	4	5	6	7	8	8	8	8	8	8	9	9	7	7
PE-CUEL	29	28	28	28	28	28	28	26	23	20	19	19	20	20	20	20	21	22	24	24	23	24	24
PE-RENAICO	82	82	82	81	81	81	80	78	74	71	69	69	70	70	69	68	69	71	71	69	68	69	70
PE-SANGABRIEL	143	139	132	129	131	129	127	126	124	117	114	114	115	114	110	104	105	108	113	116	122	127	125
PE-LAFLOR	30	30	30	30	30	30	30	29	29	29	29	29	28	28	28	28	29	29	28	28	28	27	27
PE-TOLPANSUR	79	78	77	76	76	76	76	75	73	70	69	68	69	70	69	66	65	65	66	66	66	66	66
PE-ELNOGAL	8	5	5	5	3	5	9	8	5	7	9	9	8	9	9	7	3	4	1	8	6	0	6
PE-LOSBUENOSAIRE	23	23	23	23	22	22	21	19	18	18	18	18	19	20	20	21	21	21	21	21	21	22	22
PE-LAESPERANZA	9	9	9	9	8	8	8	8	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8
PE-LEBU-3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PE-LEBU	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3
PE-HUAJACHE	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PE-RAKI	6	6	6	5	5	5	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
PE-ELARREBOL	1	9	8	9	8	5	8	9	9	7	9	8	8	9	7	0	2	7	8	8	9	9	8
PE-AURORA	12	10	10	11	13	14	15	17	20	23	26	29	34	38	41	45	48	51	54	56	60	65	65
PE-SANPEDRO	4	4	3	2	2	2	2	2	2	1	1	0	0	0	1	1	1	1	1	2	3	4	5
PE-SANPEDRO-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Solares	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	0	0	0	0	0	0	46	469	1544	2343	2662	2771	2852	2871	2804	2806	2706	2466	1849	795	72	0	0	0	29.055
PFV-ELAGUILA	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	0	0	0	0	0	16
PFV-PAMPACAMARONES	0	0	0	0	0	0	0	0	2	4	5	5	5	5	5	5	5	5	5	2	0	0	0	0	54
PFV-POZOALMONTE-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-POZOALMONTE-2	0	0	0	0	0	0	0	1	4	5	6	5	6	7	7	6	6	6	5	1	0	0	0	0	65
PFV-POZOALMONTE-3	0	0	0	0	0	0	0	4	11	13	14	14	15	15	15	15	14	14	11	4	0	0	0	0	158
PFV-LOSPUQUIOS	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	2	2	2	1	0	0	0	0	0	22
PFV-PICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-LAHUAYCA-2	0	0	0	0	0	0	0	2	5	10	15	19	20	20	19	17	14	10	5	1	0	0	0	0	159
PFV-HUATACONDO	0	0	0	0	0	0	3	16	42	65	75	80	83	83	80	72	63	49	33	14	2	0	0	0	759
PFV-BELLAVISTA-1	0	0	0	0	0	0	0	1	6	9	9	9	9	9	9	9	9	9	8	4	0	0	0	0	99
PFV-NUEVOQUILLAGUA	0	0	0	0	0	0	0	5	48	88	94	54	67	59	3	61	84	70	9	2	1	0	0	0	643
PFV-GRANJA	0	0	0	0	0	0	0	10	72	100	105	105	105	105	105	105	104	104	90	46	1	0	0	0	1157
PFV-USYA	0	0	0	0	0	0	0	1	10	26	39	48	52	52	52	52	45	32	19	5	0	0	0	0	433
PFV-CALAMA-1	0	0	0	0	0	0	0	1	5	6	6	7	7	7	8	8	8	7	7	4	0	0	0	0	79
PFV-SANPEDRO-GPG	0	0	0	0	0	0	0	7	28	45	51	54	59	63	64	63	60	54	41	21	5	0	0	0	612
PFV-VICTORIA	0	0	0	0	0	0	0	0	5	8	8	7	5	7	9	9	9	9	8	3	0	0	0	0	85
PFV-JAMA-1	0	0	0	0	0	0	1	8	17	22	24	24	24	24	24	25	25	24	17	7	0	0	0	0	266
PFV-JAMA-2	0	0	0	0	0	0	1	6	13	16	18	18	18	18	18	19	19	18	13	5	0	0	0	0	197
PFV-MARIAELENA	0	0	0	0	0	0	1	13	39	53	56	57	56	56	56	55	54	51	36	12	0	0	0	0	596
PFV-FINISTERRAE	0	0	0	0	0	0	2	25	71	90	90	90	90	90	90	90	90	90	68	24	1	0	0	0	1002
PFV-PUERTOSECO	0	0	0	0	0	0	0	1	4	6	6	7	7	7	8	8	7	7	6	1	0	0	0	0	73
PFV-CERRODOMINADOR	0	0	0	0	0	0	2	24	66	89	92	92	92	91	90	89	88	85	64	24	1	0	0	0	988
PFV-BOLERO-1	0	0	0	0	0	0	4	31	82	108	114	116	117	118	118	119	119	118	94	39	3	0	0	0	1297
PFV-URIBESOLAR	0	0	0	0	0	0	1	12	33	45	49	50	50	50	50	50	50	48	38	16	1	0	0	0	542
PFV-ANDES	0	0	0	0	0	0	1	6	14	17	18	18	17	18	18	18	19	18	14	5	0	0	0	0	200
PFV-ANDES2A	0	0	0	0	0	0	0	5	20	35	40	39	38	39	38	37	36	36	32	14	1	0	0	0	410
PFV-LALACKAMA	0	0	0	0	0	0	2	14	35	46	48	49	49	48	47	45	43	40	29	10	0	0	0	0	506
PFV-LALACKAMA-2	0	0	0	0	0	0	0	3	8	11	13	13	13	13	12	12	12	11	8	3	0	0	0	0	133
PFV-PAMPASOLARNORTE	0	0	0	0	0	0	1	13	41	61	66	65	64	64	64	65	65	63	49	20	1	0	0	0	701

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

PFV-CONEJO	0	0	0	0	0	0	3	26	72	99	102	100	98	98	100	103	103	101	77	28	1	0	0	0	1110
PFV-ALMEYDA	0	0	0	0	0	0	0	2	25	48	53	53	53	53	53	53	53	53	30	2	0	0	0	579	
PFV-JAVIERA	0	0	0	0	0	0	1	9	30	50	58	60	60	60	59	59	59	57	44	18	1	0	0	0	624
PFV-COVADONGA	0	0	0	0	0	0	0	0	1	2	8	9	9	9	9	9	9	8	4	0	0	0	0	0	84
PFV-CHANARES	0	0	0	0	0	0	0	3	13	25	31	33	34	34	33	33	33	30	22	8	0	0	0	0	331
PFV-SALVADOR	0	0	0	0	0	0	3	18	42	51	53	53	52	52	51	51	51	50	42	21	2	0	0	0	592
PFV-PILARLOSAMARILLOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-DIEGODEALMAGRO	0	0	0	0	0	0	0	2	8	15	21	25	26	27	26	25	21	17	11	4	0	0	0	0	228
PFV-DAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-CARRERAPINTO	0	0	0	0	0	0	1	15	51	70	70	70	70	70	70	70	70	48	8	1	0	0	0	0	754
PFV-LUZDELNORTE	0	0	0	0	0	0	6	40	92	116	124	127	129	130	129	128	125	118	91	38	3	0	0	0	1397
PFV-LLANODELAMPOS	0	0	0	0	0	0	2	20	54	76	83	85	85	84	83	82	81	76	60	26	1	0	0	0	898
PFV-SANANDRES	0	0	0	0	0	0	1	7	20	32	39	42	42	43	42	42	41	39	29	11	1	0	0	0	429
PFV-ANTAY	0	0	0	0	0	0	0	0	1	4	7	9	9	9	9	8	7	4	1	0	0	0	0	0	77
PFV-PILOTOCARDONES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PFV-PEPASOLAR1	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	20
PFV-ESPERANZA	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	1	1	0	0	0	0	25
PFV-GUADALAO	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	2	2	2	0	0	0	0	28
PFV-LAESTANCIA	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	2	1	0	0	0	0	0	28
PFV-LASCHACRAS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	24
PFV-LASTERRAZAS	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	1	1	0	0	0	0	25
PFV-LOSLOROS	0	0	0	0	0	0	0	3	10	20	28	33	37	37	36	32	26	18	8	2	0	0	0	0	290
PFV-HORNITOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PFV-VALLESOLARESTE	0	0	0	0	0	0	0	0	1	2	7	9	9	9	9	9	9	8	4	0	0	0	0	0	85
PFV-VALLESOLAROESTE	0	0	0	0	0	0	0	0	1	2	7	9	9	9	9	9	9	8	4	0	0	0	0	0	86
PFV-MALAQUITA	0	0	0	0	0	0	0	0	4	9	9	9	9	9	9	9	9	8	5	0	0	0	0	0	98
PFV-CACHIYUYO	0	0	0	0	0	0	0	1	6	9	0	0	5	0	0	0	0	8	4	0	0	0	0	0	33
PFV-SANTACECILIA	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	17
PFV-ELROMERO	0	0	0	0	0	0	1	14	52	102	146	177	190	192	188	173	143	101	52	13	1	0	0	0	1543
PFV-ELPELICANO	0	0	0	0	0	0	3	23	61	85	93	95	95	95	94	94	93	87	64	26	2	0	0	0	1007
PFV-LASILLA	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	1	1	0	0	0	0	0	14
PFV-PUNTABAJASOLAR	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	20
PFV-SOLDELNORTE	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	2	2	1	1	0	0	0	0	0	21
PFV-LUNADELNORTE	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	2	2	1	1	0	0	0	0	0	21
PFV-TAMBOREAL	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	2	2	1	1	0	0	0	0	0	20
PFV-LAGUNILLA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	1	0	0	0	0	22
PFV-AMPARODELSOL	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	2	2	2	1	1	0	0	0	0	17
PFV-SDGx01	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	7
PFV-LACHAPEANA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	21
PFV-ALTURASDEOVALLE	0	0	0	0	0	0	0	0	2	3	4	4	5	5	5	5	4	4	3	1	0	0	0	0	44
PFV-LACHIMBABIS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	23
PFV-PAMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-TALHUEN	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	1	0	0	0	0	0	32
PFV-SANTACLARA	0	0	0	0	0	0	0	0	1	1	1	2	2	3	3	3	3	3	2	1	0	0	0	0	24
PFV-LASMOLLACAS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	21
PFV-ELDIVISADERO	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	20
PFV-ELSALITRAL	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	2	1	1	0	0	0	0	28
PFV-LOMASCOLORADAS	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	13
PFV-CASASBLANCAS	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	14
PFV-BELLAVISTA	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	20
PFV-CANESA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834

PFV-SANTALAURA	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	2	2	1	0	0	0	0
PFV-MONTTSOLAR	0	0	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-CHUCHINI	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0
PFV-COCINILLAS	0	0	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	2	2	0	0	0	0
PFV-CANELILLO	0	0	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-ILLAPEL-5	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-CHALINGA	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-ALICAHUE	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	2	1	1	0	0	0	0	0
PFV-CUZCUZ	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0
PFV-NORTECHICO-1	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0
PFV-JAURURO	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0	0	0	0
PFV-LALIGUA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	2	1	0	0	0	0
PFV-PULLALLI	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0	0	0	0
PFV-ARIZTIA	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	2	2	1	0	0	0	0
PFV-SANTAJULIA	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	1	0	0	0	0
PFV-CABILSOL	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	1	0	0	0	0
PFV-LOSPALTOS	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0
PFV-ELQUEMADO	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-DONACARMEN	0	0	0	0	0	0	0	0	1	4	10	16	21	25	27	28	26	22	15	8	3	0	0	0
PFV-SANTUARIO	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	2	2	1	0	0	0	0
PFV-CALLELARGA	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0
PFV-CASUTO	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0
PFV-SANFRANCISCO	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-FILOMENA	0	0	0	0	0	0	0	0	1	2	0	0	2	3	3	3	3	2	0	0	0	0	0	0
PFV-NILHUE	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
PFV-HORMIGA	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	0	0	0	0	0
PFV-JAHUEL	0	0	0	0	0	0	0	0	3	5	5	5	5	5	5	5	5	3	1	1	0	0	0	0
PFV-MARIN	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	2	0	0	0	0	0	0
PFV-ENCONSOLAR	0	0	0	0	0	0	0	0	3	6	7	7	7	7	7	7	7	5	1	1	0	0	0	0
PFV-SANTAINES	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-LOSPERALES	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	1	0	0	0	0	0
PFV-VALLEDELALUNA-2	0	0	0	0	0	0	0	0	2	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0
PFV-CRUZSOLAR1	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	1	1	0	0	0	0
PFV-LIPANGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-PITRA	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	2	0	0	0	0	0	0
PFV-SOLDESEPTIEMBRE	0	0	0	0	0	0	0	0	1	4	6	7	9	9	9	8	7	5	3	1	0	0	0	0
PFV-TREBALSOLAR	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	2	2	1	1	0	0	0	0	0
PFV-ELQUELTEHUE	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	3	1	0	0	0	0
PFV-ELBOCO	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	2	1	1	0	0	0	0
PFV-GRANADA	0	0	0	0	0	0	0	1	4	7	8	8	8	8	8	8	8	7	7	4	1	0	0	0
PFV-OLIVILLO	0	0	0	0	0	0	0	0	1	1	2	7	7	7	8	8	8	8	6	3	0	0	0	0
PFV-PANQUEHUE-2	0	0	0	0	0	0	0	1	2	4	5	5	6	6	6	6	5	4	2	1	0	0	0	0
PFV-OVEJERIA	0	0	0	0	0	0	0	1	5	7	8	8	8	8	8	8	7	7	6	4	1	0	0	0
PFV-ELLITREII	0	0	0	0	0	0	0	1	5	7	8	8	9	9	9	9	9	8	7	5	1	0	0	0
PFV-PICURIO	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-TILTIL	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	1	1	0	0	0	0
PFV-LOMALOSCOLORADOS	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
PFV-LUNA	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	0	0	0	0
PFV-ELQUEULE	0	0	0	0	0	0	0	0	1	1	4	5	5	5	5	5	5	5	5	2	0	0	0	0
PFV-LOMIRANDA	0	0	0	0	0	0	0	1	3	5	6	6	6	6	6	6	6	5	5	2	0	0	0	0
PFV-OCOIA	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	2	2	1	0	0	0	0

COORDINADOR ELECTRICO NACIONAL		Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación		187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención		0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]		187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv		64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]		224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]		437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]		8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]		9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

PFV-LOSTILOS	0	0	0	0	0	0	0	0	0	1	3	4	4	4	4	4	4	4	4	3	2	0	0	0	0	38
PFV-SANTIAGOSOLAR	0	0	0	0	0	0	1	6	20	41	61	74	82	84	81	73	59	39	20	7	1	0	0	0	0	647
PFV-LOGIRASOLES	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	24
PFV-ELPIQUERO	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	3	2	1	0	0	0	0	0	20
PFV-CATEMU	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	17
PFV-TUCUQUERE	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	2	1	0	0	0	0	0	30
PFV-RODEO	0	0	0	0	0	0	0	0	1	2	2	2	2	3	3	3	2	2	2	1	0	0	0	0	0	24
PFV-PLACILLA	0	0	0	0	0	0	0	1	5	8	9	9	9	9	9	9	9	9	8	4	1	0	0	0	0	98
PFV-UTFSM-VINA-DEL-MAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PFV-UTFSM-VALPARAISO-VALDES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-PEDREROS	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	2	2	2	2	1	0	0	0	0	0	25
PFV-DONEUGENIO	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	2	3	2	1	0	0	0	0	0	29
PFV-LAQUINTA	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	2	3	2	1	0	0	0	0	0	29
PFV-LUDERS	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0	0	29
PFV-ESPERANZA-2	0	0	0	0	0	0	0	1	4	6	7	7	8	8	8	8	7	7	6	3	0	0	0	0	0	80
PFV-CHANCON	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	2	2	2	2	1	0	0	0	0	0	27
PFV-ESTERO	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	16
PFV-PERALILLO	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	2	2	1	1	0	0	0	0	0	24
PFV-MOSTAZAL	0	0	0	0	0	0	0	1	6	8	9	9	9	9	8	8	8	8	7	4	1	0	0	0	0	95
PFV-CHIMBARONGO	0	0	0	0	0	0	0	0	2	2	2	3	3	3	3	2	2	2	2	1	0	0	0	0	0	27
PFV-DONMARIANO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	25
PFV-LOSLIBERTADORES	0	0	0	0	0	0	0	1	3	5	6	7	8	8	8	8	7	5	4	2	0	0	0	0	0	70
PFV-ARGOMEDO	0	0	0	0	0	0	0	1	4	7	8	8	5	6	6	6	6	6	5	3	0	0	0	0	0	72
PFV-CATANSOLAR	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0	0	29
PFV-VILLAPRAT	0	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	2	1	0	0	0	0	0	27
PFV-LLANOSDEPOTROSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-LASROJAS	0	0	0	0	0	0	0	0	0	0	2	3	2	3	3	3	3	3	2	1	0	0	0	0	0	22
PFV-LOSPATOS	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	2	0	0	0	0	0	32
PFV-LAFRONTERA	0	0	0	0	0	0	0	1	2	3	4	4	4	4	4	4	4	4	3	2	0	0	0	0	0	43
PFV-PARAGUAY	0	0	0	0	0	0	0	1	4	8	9	9	9	9	9	9	9	9	7	4	1	0	0	0	0	93
PFV-TALCA	0	0	0	0	0	0	0	1	4	6	7	7	7	7	7	7	7	7	5	2	0	0	0	0	0	72
PFV-RANGUIL	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	19
PFV-LAACACIA	0	0	0	0	0	0	0	1	5	8	8	8	8	8	8	8	8	8	7	3	0	0	0	0	0	90
PFV-SANTAAMELIA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	10
PFV-ANTONIA	0	0	0	0	0	0	0	0	1	2	3	3	1	2	3	3	3	2	2	1	0	0	0	0	0	26
PFV-LORETO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	24
PFV-ROVIAN	0	0	0	0	0	0	0	1	3	6	6	7	7	7	7	6	6	6	5	3	0	0	0	0	0	68
PFV-JSOLERM	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	14
PFV-DONJORGE	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	4
PFV-RAUQUEN	0	0	0	0	0	0	0	1	2	6	8	9	9	9	9	9	8	8	8	7	4	1	0	0	0	87
PFV-LALAJUELA	0	0	0	0	0	0	0	1	5	7	7	7	7	7	7	7	7	7	7	4	1	0	0	0	0	77
PFV-ALTOSTILITIL	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	15
PFV-QUILAPILUN	0	0	0	0	0	0	5	21	50	79	88	89	92	97	94	85	77	71	65	30	5	0	0	0	0	949
PFV-KONDA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	21
PFV-CHACABUCO	0	0	0	0	0	0	0	1	4	8	9	9	9	9	9	9	9	6	1	1	1	0	0	0	0	83
PFV-LASARAUCARIAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-TECHOSDEALTAMIRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PFV-PUENTE	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	3	2	1	0	0	0	0	0	27
PFV-PIRQUE	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	3	3	2	2	1	0	0	0	0	0	26
PFV-FOTOVOLTSOLAR-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-DARLIN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	12

Periodo Desde: 23-01-2021 - 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834

PFV-FRANCISCO	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-TRICAHUE-2	0	0	0	0	0	0	0	1	4	7	8	8	9	9	8	8	8	8	7	4	1	0	0	0
PFV-SANISIDRO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-LABLANQUINA-1	0	0	0	0	0	0	0	1	4	7	8	8	8	8	8	8	8	8	6	3	0	0	0	0
PFV-CANDELARIA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-MARIAPINTO	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-HOMERO	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-ELPILPEN	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	1	0	0	0	0
PFV-LASMERCEDES-1	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	2	1	0	0	0	0
PFV-CITRINO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-GUANACO	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-LIRIODECAMPO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-QUILLAY	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-ALTOSDELPAICO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-LAUREL	0	0	0	0	0	0	0	0	1	4	5	6	6	6	6	6	6	6	4	2	0	0	0	0
PFV-LOSIERRA	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	0	0	0	0	0
PFV-SANTAADRIANA	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0
PFV-CRUCERO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	2	2	2	1	0	0	0	0
PFV-SANPEDRO	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	2	2	1	0	0	0	0	0
PFV-RLA	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	0	0	0	0	0
PFV-ELROBLE	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	2	3	2	1	0	0	0	0
PFV-ELSAUCE	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	2	3	2	1	0	0	0	0
PFV-SANTAROSA	0	0	0	0	0	0	0	0	1	1	6	9	8	9	9	9	9	8	7	4	0	0	0	0
PFV-ECLIPSE	0	0	0	0	0	0	0	0	0	1	1	2	3	4	5	6	5	3	2	1	0	0	0	0
PFV-LASTORCAZAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-LASTURCAS	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	3	3	1	0	0	0	0
PFV-MARCHIGUE-2	0	0	0	0	0	0	0	1	4	6	7	7	8	8	8	8	7	7	6	3	0	0	0	0
PFV-MARCHIGUE-7	0	0	0	0	0	0	0	0	2	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0
PFV-PILPILEN	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	2	2	2	2	0	0	0	0
PFV-POBLACION	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0
PFV-PORTEZUELO	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	3	3	2	2	1	0	0	0	0
PFV-VITUCO2B	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	2	1	0	0	0	0
PFV-LAMANGA-1	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	3	2	2	2	1	0	0	0	0
PFV-CORDILLERILLA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
PFV-ALTOSOLAR	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
PFV-DONIHUE	0	0	0	0	0	0	0	0	4	7	7	7	7	7	7	7	7	7	6	4	0	0	0	0
PFV-LASCODORNICES	0	0	0	0	0	0	0	0	2	3	3	2	3	3	3	3	3	3	3	2	0	0	0	0
PFV-ELCERNICALO-1	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0
PFV-ELCERNICALO-2	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0
PFV-CHUCAO	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-NIQUEN	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	2	2	2	1	0	0	0	0
PFV-BICENTENARIO	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	3	2	2	1	0	0	0	0
PFV-CHINCOL	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	3	2	0	0	0	0
PFV-LOSGORRIONES	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	1	0	0	0	0
PFV-PLAYERO	0	0	0	0	0	0	0	0	1	3	3	3	3	3	3	3	3	3	3	1	0	0	0	0
PFV-PLAYERITO	0	0	0	0	0	0	0	0	1	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0
PFV-LASLECHUZAS	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	1	0	0	0
PFV-LUCESOLAR	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
PFV-RINCONADA	0	0	0	0	0	0	0	1	4	7	8	8	8	8	8	8	8	7	6	3	1	0	0	0
PFV-PITOTOY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-QUELTEHUE	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

PFV-LASPALOMAS	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	0	0	0	0	34
PFV-COCHARCAS	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0	28
PFV-VILLACRUZ	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0	29
PFV-SANTAFE	0	0	0	0	0	0	0	1	4	7	8	8	8	8	8	8	8	8	7	3	0	0	0	87
PFV-VILLAALEGRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFV-ELCONDOR	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	11
PFV-LEMU	0	0	0	0	0	0	0	1	3	5	5	5	5	5	5	5	5	5	2	0	0	0	0	55
PFV-LASPERDICES	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0	26
PFV-TRICADOS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0	21
PFV-VILLASECA	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	2	0	0	0	0	0	24
PFV-ELPITIO	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	2	0	0	0	32
PFV-ELRESPLANDOR	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	3	2	2	0	0	0	29

Términos	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	5698	5497	5384	5334	5336	5286	5211	4894	4178	3804	3865	3850	3794	3805	3881	3709	3721	3881	4403	5077	5187	5209	5233	5177	111.413
ARICA-GMAR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARICA-M1AR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARICA-M2AR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TARAPACA-TGTAR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-1_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-2_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-3_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-4_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-5_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJINA-6_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERROPABELLON-G1A_GEO	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	432
CERROPABELLON-G2A_GEO	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	216
NORGENER-NT01_CAR	141	141	141	134	134	134	134	134	126	65	65	65	65	55	65	55	55	65	126	134	134	134	134	134	2568
NORGENER-NT02_CAR	129	129	129	129	129	129	129	128	129	129	65	65	65	65	65	55	65	65	119	129	129	129	129	129	2563
TOCOPILLA-U14_CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U15_CAR	115	111	115	108	83	68	63	50	50	50	50	50	50	50	50	50	50	50	50	63	115	115	115	115	1786
TOCOPILLA-U16_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_A	298	269	157	130	125	130	132	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1365
TOCOPILLA-U16_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-U16_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOCOPILLA-TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	122	123	125	119	119	129	144	171	173	171	173	170		3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	10	0	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	122	123	125	119	119	129	144	171	173	171	173	170		3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	10	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

TALTAL-2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TALTAL-2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DALMAGRO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-1_F06	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2
ANDES-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-2_F06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2
ANDES-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-3_F06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDES-4_F06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALVADOR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SANLORENZO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SANLORENZO-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SANLORENZO-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMELDA-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMELDA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CENIZAS_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERMOPACIFICO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAJONALES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARDONES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUACOLDA-1_CAR	75	75	75	140	140	140	140	140	135	133	118	118	118	118	118	118	118	133	140	140	140	140	140	140
GUACOLDA-2_CAR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
GUACOLDA-3_CAR	154	154	154	154	154	154	154	154	133	130	131	131	131	131	131	129	130	131	143	154	154	154	154	
GUACOLDA-4_CAR	154	154	154	154	154	154	154	154	131	130	117	120	124	119	125	115	115	118	136	154	154	154	154	
GUACOLDA-5_CAR	135	135	135	75	75	75	135	135	135	128	116	116	118	116	113	113	113	113	130	135	135	135	135	
HUASCO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUASCO-1_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUASCO-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUASCO-2_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUASCO-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUASCO-3_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCOLORADA_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCOLORADA_IFO	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
PENON_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OLIVOS_BL1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OLIVOS_BL1+BL2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESPINOS_BL1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESPINOS_BL1+BL2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NUEVAVENTANAS_CAR	250	170	170	170	250	250	250	250	235	234	223	235	235	235	235	235	235	235	250	250	250	250	250	
CAMPICHE_CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VENTANAS-2_CAR	172	172	172	172	172	172	172	172	90	90	90	90	90	90	90	90	90	90	172	172	172	172	172	
QUINTERO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
QUINTERO-1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
QUINTERO-1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
QUINTERO-1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	122	123	125	119	119	129	144	171	173	171	173	170		3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	10	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [KUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 KV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	122	123	125	119	119	129	144	171	173	171	173	170		3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	10	0	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kv	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [KUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible]

Periodo Desde: 23-01-2021 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [KUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 KV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505

[illegible][illegible]

Periodo Desde: 23-01-2021 - 28-01-2021

COORDINADOR ELECTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
sábado, 23 de enero de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	187	179	175	173	173	170	164	147	129	113	124	124	122	123	125	119	119	129	144	171	173	171	173	170	3.598
Costos Encendido/Detención	0	0	0	0	0	0	0	5	6	0	76	0	0	0	0	0	0	0	0	10	0	0	0	0	96
Costos Totales [kUSD]	187	179	175	173	173	170	164	152	135	113	199	124	122	123	125	119	119	129	144	180	173	171	173	170	3.694
Costo Marginal Quillota 220 kV	64,7	62,4	61,8	57,5	57,3	57,0	55,2	52,3	33,6	31,6	34,4	34,4	35,1	35,1	34,2	32,8	32,8	33,1	37,2	56,2	64,8	67,8	69,5	63,4	48,51
Pérdidas [MWh]	224	211	197	195	190	185	185	176	178	201	219	220	224	231	222	222	221	208	217	196	223	245	237	213	5.039
Consumos Propios [MWh]	437	437	437	437	437	437	437	425	405	405	406	406	406	406	406	406	406	406	406	416	416	416	416	415	10.027
Demanda Total [MWh]	8379	8010	7692	7586	7543	7451	7442	7362	7666	8077	8381	8542	8688	8762	8758	8608	8516	8480	8422	8354	8313	8633	8570	8205	196.439
Generación Total [MWh]	9040	8657	8325	8218	8169	8073	8063	7964	8249	8683	9006	9169	9318	9399	9386	9236	9143	9094	9046	8965	8952	9293	9223	8834	211.505
ELTORO-1	84	84	84	84	84	84	84	50	84	84	84	84	84	75	84	84	84	84	68	84	84	80	84	84	1956
ELTORO-2	84	84	84	84	84	84	84	84	84	84	84	68	84	84	84	84	68	84	84	84	84	84	84	93	1996
ELTORO-3	84	84	84	84	84	84	84	84	84	84	84	40	84	84	84	62	37	84	66	50	84	92	84	84	1864
ELTORO-4	85	58	56	52	48	52	50	85	50	50	27	85	75	85	50	65	85	26	85	85	56	85	85	48	1524
ABANICO	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	706
ANTUCO-1	99	80	99	80	80	80	80	80	80	80	97	97	80	97	80	80	80	97	80	80	80	99	80	99	2067
ANTUCO-2	80	99	80	98	97	97	97	97	97	97	80	80	97	80	97	97	97	80	97	97	99	80	99	80	2205
RUCUE	78	78	78	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	78	78	78	78	1843
QUILLECO	34	34	34	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	792
LAJA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALCO-1	164	209	111	148	103	100	100	102	101	95	90	90	90	90	90	90	90	122	122	147	192	149	164	95	2854
RALCO-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	164	0	0	264
PALMUCHO	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	605
PANGUE-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANGUE-2	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	176	80	2016
ANGOSTURA-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANGOSTURA-2	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	110	140	0	471
ANGOSTURA-3	40	24	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	40	40	26	900
CANUTILLAR-1	40	40	40	40	40	40	40	40	40	40	40	40	61	40	51	40	40	40	40	65	40	40	40	40	1017
CANUTILLAR-2	0	0	0	0	0	0	0	0	0	40	52	55	40	58	40	41	40	0	0	0	0	0	0	0	365

ANEXO N°2

Detalle de la generación real del día 23 de enero de 2021

RESUMEN DIARIO DE OPERACION DEL SEN

23-01-2021

23-01-2021

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT DIA	DMAX	DMED
																									MWh	MWh/h	MWh/h
CHAPIQUINA	4.1	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.1	4.0	4.5	4.5	4.5	4.5	5.1	8.6	9.0	9.0	9.0	107.9	9.0	4.5
COSAPILLA	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	9.4	0.5	0.4
ELTORONZ	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23.9	1.0	1.0
CAVANCHA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALTOHOSPICIO	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	22.5	0.9	0.9
SANTAROSA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	11.8	0.5	0.5
RIOHUASCO	1.7	1.8	1.7	1.8	1.8	1.7	1.8	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.5	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.6	1.6	38.9	1.8	1.6
PUCLARO	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	49.3	2.1	2.1
LOSMOLLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0	9.0	9.0	9.0	37.0	9.0	1.5
LAPALOMA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	7.1	0.3	0.3
CH-HORNTOS	46.0	46.3	43.2	42.8	42.8	42.5	41.5	41.5	41.8	41.1	37.2	36.3	33.9	34.3	35.4	34.3	34.8	44.9	57.7	58.0	57.7	55.0	48.4	47.3	1044.7	58.0	43.5
JUNCALITO	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.9	1.2	1.1	1.2	1.1	1.0	1.0	21.4	1.2	0.9
ELTARTARO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JUNCAL	21.1	23.0	23.1	22.0	21.8	21.8	21.7	22.6	23.8	24.5	24.4	23.8	24.3	25.6	22.9	22.2	20.4	20.8	24.9	27.1	25.5	27.1	27.1	24.3	565.8	27.1	23.6
BLANCO	53.2	47.7	43.4	40.2	37.7	35.3	33.4	32.1	30.9	29.8	28.8	28.2	27.5	27.0	34.9	51.5	56.1	54.5	55.6	53.6	52.5	52.9	53.1	1015.2	56.1	42.3	
LOSQUILLOS	29.5	25.1	27.6	28.1	28.3	28.3	28.3	28.3	29.7	29.3	30.0	29.4	29.3	28.8	29.9	29.9	29.5	30.4	29.2	29.7	28.4	29.7	29.2	29.6	695.5	30.4	29.0
CHACABUQUITO	18.4	18.1	17.1	16.6	16.9	17.3	17.4	17.5	17.5	17.9	17.9	18.4	18.3	18.4	17.9	18.2	18.5	18.5	18.6	18.4	18.4	18.0	18.1	18.3	430.6	18.6	17.9
SAUCEANDES	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	13.0	0.7	0.5
CARENA	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.6	4.5	4.2	4.6	4.6	4.7	4.7	4.7	4.7	7.9	7.6	7.7	7.7	7.5	7.6	151.4	7.9	6.3
MINI_ARRAYAN	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.6	0.4	0.2	0.1	8.7	0.6	0.4
ALFALFAL	148.2	143.7	142.1	139.9	135.7	105.6	101.8	123.5	121.4	123.4	123.5	118.4	122.3	122.4	122.0	112.6	112.6	122.7	140.3	162.3	172.5	172.1	172.8	167.6	3229.3	172.8	134.6
MAITENES	11.8	11.5	11.2	11.4	11.5	11.3	11.3	11.2	11.3	11.2	11.4	11.3	11.1	11.1	11.1	10.7	10.8	11.5	11.5	11.6	11.5	11.6	12.0	12.2	273.3	12.2	11.4
LABIFURCADA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.6	0.2	0.2
CALIBORO	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	24.7	1.0	1.0
MALLARAUCO	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.6	1.9	1.8	2.1	2.8	3.0	3.0	3.1	3.1	3.1	71.0	3.2	3.0
COYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHACAYES	109.2	108.9	109.8	107.6	105.5	104.8	102.9	102.0	103.5	101.1	102.6	97.4	91.5	89.3	91.0	92.2	97.5	102.4	100.5	102.8	96.1	99.8	101.3	104.3	2424.0	109.8	101.0
SAUZAL	71.0	71.0	71.0	71.0	66.0	66.0	66.0	66.0	75.0	72.0	73.0	69.0	72.0	70.0	73.0	73.0	73.0	73.0	73.0	73.0	70.0	73.0	70.0	73.0	1703.0	75.0	71.0
SAUZAL 60 HZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAUZALITO	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	264.0	11.0	11.0
LA-COMPANIA-II	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	32.3	1.4	1.3
LAHIGUERA	135.1	135.0	135.7	132.6	137.7	139.5	137.0	131.9	130.9	119.1	109.9	107.1	108.0	103.5	105.6	102.3	104.5	111.7	124.0	131.7	127.1	122.2	111.4	108.7	2912.2	139.5	121.3
LACONFLUENCIA	121.8	121.7	123.6	114.0	111.7	111.6	108.3	105.1	102.8	100.5	80.2	78.9	79.2	78.5	79.6	79.9	80.1	89.0	108.6	110.7	115.3	122.1	116.6	116.6	2446.6	123.6	101.7
ELPASO	19.8	19.6	19.7	19.5	19.8	20.1	20.3	18.1	15.1	14.6	12.9	17.1	20.5	20.3	49.9	56.1	58.3	58.9	59.2	59.4	59.1	55.1	41.4	27.9	783.1	59.4	32.6
SANANDRES	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	1015.2	42.3	42.3
CONVENTOIEJO	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	123.2	5.2	5.1
LAMONTANA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAMONTANA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CUMPEO	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.0	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.0	2.1	2.1	1.9	2.1	2.1	2.1	51.4	2.2	2.1
ROBLERIA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	43.5	1.9	1.8
LIRCAV	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	427.2	17.8	17.8
MARIPOSAS	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	58.5	2.5	2.4
PROVIDENCIA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	33.3	1.4	1.4
MCHDOSAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISIMA	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.3	0.3	0.3
EL GALPON	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	9.5	0.4	0.4
RIOCOLORADO	5.8	5.8	5.7	5.7	5.7	5.6	5.5	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.2	4.9	5.0	5.1	5.0	5.1	5.3	5.5	5.8	5.7	130.2	5.8	5.4
ITATA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELDIUTO	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.5	60.9	2.6	2.5
BUREO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.4	0.1
MUNILQUE-1	0.3	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.3	0.1	0.2																

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX	DMED.
																									MWh	MWhh	MWhh
PUELFU	4,6	4,3	4,3	4,3	4,3	4,3	4,3	4,3	4,6	4,6	4,7	4,7	4,7	4,6	4,6	4,5	4,3	4,3	4,5	4,7	4,7	4,5	4,1	4,1	106,9	4,7	4,5
MARIAELENA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,0	0,0
LOSCOLONOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
CHANLEUFU	0,0	0,0	0,3	0,0	0,0	0,0	0,0	0,0	0,0	0,8	0,0	0,0	1,0	0,0	0,0	0,0	0,5	0,0	0,8	0,0	0,0	0,0	0,0	0,4	3,8	1,0	0,2
CAPULLO	5,6	5,4	5,0	5,0	5,0	5,1	5,1	5,1	5,2	5,3	5,3	5,4	5,5	5,6	5,6	6,0	6,0	5,7	5,3	5,4	5,8	5,7	5,1	4,8	129,0	6,0	5,4
NALCAS	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,5	2,5	2,4	2,5	2,5	2,4	2,4	2,4	58,5	2,5	2,4
CALLAO	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	7,4	0,3	0,3
HIDROBONITO-MC1	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	1,9	1,9	1,8	1,8	1,7	1,7	1,7	1,8	1,9	2,0	2,0	2,0	46,2	2,0	1,9
HIDROBONITO-MC2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,1	1,2	1,2	1,2	1,1	1,2	27,8	1,2	1,2
RUCATAYO	25,5	25,1	20,2	15,4	15,1	15,1	15,1	15,6	15,2	20,3	20,9	21,1	25,3	26,0	26,1	26,1	26,1	26,1	21,8	15,7	15,3	24,4	25,3	25,4	508,1	26,1	21,2
ENSENADA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
LAARENA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
ELCOLORADO	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	9,0	0,4	0,4
DONGO	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	7,8	0,3	0,3
COLLIL	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	7,9	0,3	0,3
LLAUQUERO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
QUELTUHES	36,5	36,7	36,8	36,4	35,7	36,5	36,6	35,2	33,4	32,5	32,6	30,5	29,8	27,5	24,3	23,8	27,6	31,6	32,7	41,8	42,4	41,0	39,9	40,1	821,9	42,4	34,2
VOLCAN	10,6	9,9	9,9	9,8	10,2	10,2	10,2	10,2	10,3	10,3	10,1	9,8	9,9	10,7	8,8	10,1	11,3	10,8	11,2	10,5	9,5	10,5	10,3	10,3	245,1	11,3	10,2
GUAYACAN	11,3	11,8	11,8	11,8	11,8	11,9	11,5	11,5	11,5	11,0	10,1	10,0	9,9	9,1	9,2	9,6	8,6	9,1	8,7	8,6	8,3	9,3	11,4	11,6	249,5	11,9	10,4
FLORIDA-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
FLORIDA-2	18,3	19,8	19,9	19,4	19,0	17,4	16,4	16,5	19,3	15,0	10,4	9,3	10,4	12,3	8,8	8,1	6,1	9,0	7,0	5,6	5,7	4,8	4,4	13,0	295,9	19,9	12,3
FLORIDA-3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	55,2	2,3	2,3
PUNTILLA	16,0	17,6	17,9	17,7	16,7	17,1	17,5	17,5	17,1	15,2	16,4	15,9	16,8	17,2	17,2	17,2	15,9	15,3	16,6	17,1	14,9	13,8	15,1	16,6	396,3	17,9	16,5
EYZAGUIRRE	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	19,0	0,8	0,8
LASVERTIENTES	1,3	1,3	1,3	1,3	1,1	1,2	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	30,4	1,3	1,3
ELLANO	0,5	0,5	0,5	0,5	0,7	0,7	0,7	0,7	0,7	0,8	0,8	0,8	0,6	0,6	0,6	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,7	14,5	0,8	0,6
ELRINGON	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	5,8	0,2	0,2
LOSMORROS	0,9	0,7	1,1	1,4	2,0	2,1	2,0	2,1	2,3	2,5	2,7	2,8	2,6	2,7	2,7	2,7	2,6	2,3	2,0	1,6	1,3	1,3	0,8	0,8	45,8	2,8	1,9
LOSBAJOS	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,1	5,3	129,0	5,4	5,4	
AUXDELMAIPO	3,9	4,2	4,7	4,9	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,7	4,3	4,4	4,0	3,7	3,6	109,8	4,9	4,6
PULLINQUE	10,1	10,5	10,1	9,9	10,0	10,1	10,1	10,0	10,1	10,1	10,1	10,0	10,0	10,0	10,1	10,1	10,0	14,5	15,3	15,3	15,2	15,1	15,1	11,4	273,2	15,3	11,4
RECA	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	5,0	0,2	0,2
PANGUIPULLI	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
DONAHILDA	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	7,0	0,3	0,3
MUCHI	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
LASFLORES	0,0	0,1	1,0	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	7,5	1,0	0,3
PEHUI	0,2	0,2	0,2	0,2	0,2	0,1	0,1	0,1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,1	0,1	0,1	0,1	0,2	0,2	0,2	0,2	4,4	0,2	0,2
MOCHO	7,6	7,5	7,3	7,3	7,3	7,2	7,2	7,2	7,1	7,1	7,0	7,0	7,0	6,9	7,0	7,1	7,4	7,6	7,7	7,7	7,6	7,5	7,6	7,4	175,1	7,7	7,3
LICAN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	3,0	7,3	15,5	16,2	16,0	15,7	13,8	8,9	5,8	4,0	5,0	7,5	9,0	5,1	132,9	16,2	5,5
CUMBRES	8,7	8,7	8,4	8,6	8,6	8,5	8,0	8,5	8,0	8,0	8,2	8,2	8,0	8,0	8,0	8,0	8,2	8,5	8,5	8,3	8,5	8,5	8,3	199,0	8,7	8,3	
SANTAISABEL	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	11,8	0,5	0,5	
LOSCORRALES-1	0,5	0,5	0,5	0,5	0,5	0,6	0,5	0,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,5	0,5	0,4	0,0	0,0	5,9	0,6	0,2	
LOSCORRALES-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
MSA-1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,2	0,6	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,6	0,2	0,1	3,3	0,6	0,1
PICHILONCO	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	4,8	0,2	0,2
DONWALTERIO	2,0	2,0	2,0	2,0	2,1	2,0	2,1	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	1,9	1,9	1,9	1,9	1,9	1,9	1,9	47,7	2,1	2,0
MELO	1,9	1,9	1,9	1,9	1,9	2,0	2,0	2,0	2,0	2,0	2,0	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	46,2	2,0	1,9
CONTRA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
CURILEUFU	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
ELARRAYAN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
ANCOA	24,0	23,4	23,7	23,8	23,7	23,8	23,7	23,7	23,6	23,7	23,6	23,7	23,8	23,8	24,1	23,6	23,7	23,9	23,5	23,5	24,7	24,5	23,5	22,9	570,1	24,7	23,8
LAVINA	0,5	0,5	0,5	0,5	0,5	0,5	0,3																				

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA MWh	DMAX MWh/h	DMED. MWh/h
PE-SANJUAN	0,0	0,0	0,0	1,6	3,1	2,3	1,1	0,0	0,0	0,0	0,8	6,5	4,6	3,0	6,1	8,8	13,1	6,6	5,0	6,5	7,8	0,0	0,0	4,9	81,8	13,1	3,4
PE-CABOLEONES	1,2	0,9	5,3	4,5	5,9	4,8	5,0	2,6	0,1	0,1	3,9	8,4	7,2	7,2	4,8	5,6	8,9	5,8	3,6	5,9	7,4	1,1	0,0	5,3	105,5	8,9	4,4
PE-CABOLEONES-2	0,0	0,0	0,2	6,1	1,7	2,3	2,2	0,2	0,0	0,0	3,4	9,4	12,8	9,1	6,5	6,8	5,5	4,1	1,5	2,1	1,7	0,0	0,0	0,0	106,6	12,8	3,2
PE-CABOLEONES-3	0,0	0,0	0,0	0,1	1,3	0,2	0,1	0,0	0,0	0,0	0,4	4,4	3,8	3,2	4,6	5,4	7,2	2,4	1,6	2,2	2,6	0,2	0,0	1,6	41,3	7,2	1,7
PE-PUENTACOLORADA	1,3	1,2	0,2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,6	6,9	7,2	7,2	6,3	6,7	5,7	7,2	6,8	4,2	0,8	0,0	0,0	64,3	7,2	2,7
PE-ELARRAYAN	0,0	0,0	0,2	5,4	10,5	7,6	8,5	11,7	11,7	7,5	8,3	6,6	5,1	4,4	1,1	1,0	0,3	0,0	0,0	0,0	0,0	0,0	0,0	1,1	91,0	11,7	3,8
PE-LOSCURUROS	0,0	0,0	4,9	13,9	10,9	17,6	23,3	27,9	34,9	24,4	14,9	9,8	6,8	5,5	3,0	2,6	2,7	1,1	0,1	0,0	0,2	0,4	0,0	0,0	204,6	34,9	8,5
PE-TALINAYORIENTE	0,0	1,9	12,2	23,3	13,4	8,5	16,7	22,0	24,2	15,3	2,0	0,0	5,2	16,9	13,1	9,3	15,5	13,7	16,9	13,1	18,5	10,5	3,1	4,2	279,5	24,2	11,6
PE-TALINAYPONIENTE	0,0	2,3	5,7	7,1	4,3	10,5	20,3	27,4	34,2	24,7	4,0	5,7	14,5	15,4	6,6	5,6	5,3	3,7	2,2	1,2	1,9	1,8	0,4	1,3	206,1	34,2	8,6
PE-PUNTASIERRA	0,0	0,0	1,1	9,3	23,0	26,4	25,9	23,2	25,1	23,7	16,9	13,4	9,9	5,9	4,1	3,5	2,8	0,7	0,3	0,0	0,0	0,0	0,0	0,0	214,9	26,4	9,0
PE-MONTEREDONDO	0,0	0,0	1,8	9,0	7,5	7,2	8,3	8,6	11,4	13,2	9,0	6,1	4,1	2,4	1,1	0,8	0,4	0,2	0,0	0,0	0,0	0,0	0,0	0,0	91,0	13,2	3,8
PE-CANELA	0,0	0,0	0,0	0,1	0,2	0,0	0,7	1,9	1,8	1,2	1,8	1,3	1,3	0,1	0,1	0,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	10,6	1,9	0,4
PE-CANELA-2	0,0	0,0	0,3	0,4	1,6	1,6	4,5	10,8	9,8	4,9	4,7	3,2	3,6	0,4	0,3	0,4	0,2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	46,6	10,8	1,9
PE-TOTAL	0,0	0,0	0,1	1,8	3,6	2,5	3,1	1,6	0,6	0,8	2,5	5,8	6,1	2,1	1,3	1,4	0,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	33,4	6,1	1,4
PE-PUNTAPALMERAS	0,0	0,0	0,0	1,1	2,9	4,4	5,7	1,9	1,7	4,4	6,7	6,9	4,9	0,6	0,0	0,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	41,4	6,9	1,7
PE-UCUQUER	0,2	0,1	0,0	0,0	0,0	0,2	1,7	5,0	4,5	3,5	3,8	3,5	1,9	0,9	0,5	0,7	0,4	0,5	1,3	0,3	0,0	0,4	0,0	0,0	29,5	5,0	1,2
PE-UCUQUER-2	0,3	0,1	0,0	0,0	0,0	0,2	1,5	3,5	3,7	4,4	4,4	3,4	1,5	1,0	0,0	0,0	0,4	0,7	1,6	0,4	0,0	0,2	0,0	0,0	27,3	4,4	1,1
PE-ELMAITEN	4,4	4,4	4,9	4,8	5,3	4,7	3,3	2,8	2,9	2,3	3,2	2,9	4,0	4,2	4,0	4,6	4,3	4,6	5,3	5,6	5,1	4,5	4,8	4,9	101,2	5,6	4,2
PE-LASPENAS	8,4	8,4	8,4	8,1	7,9	8,3	8,1	8,2	7,8	6,7	6,0	4,9	3,4	3,1	2,8	4,0	6,4	8,4	6,4	6,3	6,3	6,3	6,3	6,3	157,1	8,4	6,5
PE-CUEL	22,9	21,6	19,3	24,6	22,7	22,4	23,7	19,4	18,2	20,7	18,1	15,9	17,6	22,4	18,9	22,6	21,1	21,0	18,9	17,6	21,7	15,9	14,9	17,0	478,9	24,6	20,0
PE-LAESPERANZA	7,3	6,7	8,2	8,9	8,9	8,9	8,9	8,7	6,8	7,4	7,2	6,4	7,5	8,7	7,3	8,2	7,5	8,2	8,0	8,0	8,0	8,5	7,2	6,0	187,3	8,9	7,8
PE-LOSBUENOSAIRES	17,8	18,0	18,1	21,6	20,5	20,2	19,4	17,7	15,8	19,4	20,2	17,8	19,1	20,5	19,7	20,2	19,7	19,8	19,5	18,6	20,3	16,9	14,2	13,4	448,4	21,6	18,7
PE-LEBU	5,3	5,0	4,6	3,8	3,7	3,2	3,5	2,9	3,1	2,9	2,8	2,3	2,8	3,4	2,5	1,9	2,5	3,0	3,5	4,3	2,8	3,8	3,2	2,3	79,1	5,3	3,3
PE-LEBU-3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PE-EL-ARBOL	0,0	0,0	0,0	0,0	4,6	3,1	5,1	5,4	5,8	8,1	4,3	4,7	4,7	5,3	6,3	6,5	6,8	7,8	6,6	7,5	8,1	8,1	8,1	8,1	124,9	8,1	5,2
PE-RAKI	8,7	8,4	8,2	7,4	7,1	6,0	7,2	6,4	7,3	6,4	5,4	5,7	6,1	5,0	4,8	3,7	3,3	3,3	4,6	5,5	3,9	3,4	2,6	2,9	133,3	8,7	5,6
PE-HUAIACHE	6,0	5,9	5,8	5,5	5,1	4,1	5,3	4,8	5,2	4,6	4,5	4,5	4,1	3,1	3,9	2,8	2,6	2,6	3,8	4,1	3,1	2,7	2,1	2,5	98,8	6,0	4,1
PE-LA-FLOR	26,9	26,3	29,1	31,2	31,2	31,0	30,8	29,9	28,9	27,8	28,1	23,5	27,5	29,2	26,5	24,6	23,7	23,3	24,9	26,5	25,7	28,4	26,2	16,8	647,7	31,2	27,0
PE-ELNOGAL	8,3	8,2	8,1	8,4	8,4	8,4	8,3	6,4	3,6	4,3	5,8	6,6	7,2	8,5	7,7	7,8	7,9	7,2	6,5	3,5	4,4	8,3	7,1	7,7	168,7	8,5	7,0
PE-TOLPAN-SUR	64,0	63,3	65,6	65,7	65,4	65,4	63,5	64,5	62,2	59,3	57,3	55,0	63,3	65,9	65,5	57,6	56,0	59,2	66,4	65,1	64,0	69,6	61,2	48,8	1493,3	69,6	62,2
PE-SANGABRIEL	103,6	100,5	101,7	99,2	97,1	101,6	102,4	101,6	93,6	93,3	85,5	69,6	85,2	84,8	73,6	80,1	79,5	82,1	85,8	89,4	90,2	86,9	73,0	69,1	2129,4	103,6	88,7
PE-RENAICO	80,4	78,2	76,8	78,8	79,4	76,9	71,3	84,9	81,8	78,0	77,4	69,7	80,2	78,0	72,4	73,2	66,9	70,1	75,2	77,8	75,5	61,6	51,1	45,3	1760,6	84,9	73,4
PE-AURORA	10,7	5,1	10,3	15,8	5,1	0,5	2,4	3,3	0,4	5,4	6,5	7,6	10,6	11,8	12,7	13,1	13,1	13,1	13,1	13,1	13,1	47,4	85,5	74,0	393,7	85,5	16,4
PE-SANPEDRO	3,2	2,1	0,9	0,8	0,0	1,7	1,4	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,0	0,1	0,5	0,5	0,9	1,5	0,4	0,0	0,4	1,5	16,0	3,2	0,7
PE-SANPEDRO-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-ELAGUILA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,9	1,4	1,8	2,0	2,1	2,1	2,0	1,6	1,5	0,7	0,3	0,0	0,0	0,0	0,0	16,7	2,1	0,7
PFV-PAMPACAMARONES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	2,6	5,0	5,5	5,7	5,8	5,9	5,8	5,8	5,7	5,6	5,0	2,8	0,1	0,0	0,0	0,0	61,2	5,9	2,5
PFV-POZOALMONTE-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-POZOALMONTE-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	1,1	5,3	6,0	6,1	6,5	6,5	6,7	6,8	6,7	6,5	5,9	3,3	0,1	0,0	0,0	0,0	67,2	6,8	2,8
PFV-POZOALMONTE-3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	2,1	10,8	12,7	12,8	13,8	13,6	13,8	14,2	14,1	13,7	12,4	7,0	0,2	0,0	0,0	0,0	141,3	14,2	5,9
PFV-LOSPUQUIOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-PICA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-LAHUAYCA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	0,0	0,0	0,0	350,0	25,0	14,6
PFV-CALAMA-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	1,8	4,8	8,1	6,2	6,1	7,0	5,1	7,8	6,4	8,8	7,0	2,9	0,1	0,0	0,0	0,0	72,3	8,8	3,0
PFV-SANPEDRO-GPG	0,0	0,0	0,0	0,0	0,0	0,0	0,0	3,0	14,4	35,2	52,8	68,7	57,4	62,5	47,7	62,7	64,1	56,8	49,5	22,5	0,7	0,0	0,0	0,0	598,0	68,7	24,9
PFV-VICTORIA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	2,2	5,6	5,2	4,2	5,7	5,8	6,3	8,5	8,6	8,5	6,4	1,8	0,0	0,0	0,0	0,0	69,1	8,6	2,9
PFV-USYA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1,4	6,4	17,6	34,6	34,8	36,5	43,8	32,3	39,5	38,6	33,0	18,5	4,5	0,3	0,0	0,0	0,0	341,8	43,8	14,2
PFV-JAMA-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1,2	6,3	13,7	17,0	22,4	16,2	17,5	12,7	17,1	27,3	28,0	25,7	13,1	0,3	0,0	0,0	0,0	218,3	28,0	9,1
PFV-JAMA-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,9	4,4	9,3	11,8	16,0	11,5	12,0	8,5	12,4	19,4	19,9	17,3	8,7	0,2	0,0	0,0	0,0	152,1	19,9	6,3
PFV-AZABACHE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-MARIAELENA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,7	7,3</																		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX	DMED.
																									MWh	MWh/h	MWh/h
PFV-LAS-CHACRAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,2	0,5	1,2	2,2	2,3	2,2	2,2	2,1	1,9	1,1	0,2	0,0	0,0	0,0	16,4	2,3	0,7
PFV-LASTERRAZAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-LOSOLOROS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	5,6	15,8	25,0	31,9	36,1	38,4	38,5	35,6	30,1	22,0	11,7	2,8	0,2	0,0	0,0	0,0	294,3	38,5	12,3
PFV-HORNITOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,1	0,1	0,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	0,1	0,0
PFV-VALLESOLARESTE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,4	4,5	8,0	8,8	9,0	8,9	9,0	9,0	9,0	9,0	8,9	7,8	3,4	0,2	0,0	0,0	0,0	95,8	9,0	4,0
PFV-VALLESOLAROESTE	0,0	0,0	0,0	0,0	0,0	0,0	0,5	4,8	8,2	8,9	9,0	9,0	9,0	9,0	9,0	9,0	9,0	8,9	7,9	3,2	0,1	0,0	0,0	0,0	96,5	9,0	4,0
PFV-CACHIYUYO	0,0	0,0	0,0	0,0	0,0	0,0	0,2	3,7	8,3	8,9	9,0	9,0	9,0	9,0	9,0	9,0	9,0	8,8	7,4	4,9	0,3	0,0	0,0	0,0	96,4	9,0	4,0
PFV-MALAKUITA2	0,0	0,0	0,0	0,0	0,0	0,0	1,3	6,2	8,7	0,0	0,0	4,5	0,0	0,0	0,0	0,0	0,0	8,2	3,6	0,2	0,0	0,0	0,0	0,0	32,7	8,7	1,4
PFV-SANTACECILIA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,8	1,4	1,8	2,0	2,1	2,1	1,9	1,6	1,2	0,6	0,1	0,0	0,0	0,0	0,0	0,0	16,1	2,1	0,7
PFV-HOMERO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-MARIA-PINTO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,4	1,1	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,1	0,2	0,0	0,0	0,0	14,7	1,5	0,6
PFV-MOSTAZAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,6	3,9	6,8	7,6	7,9	7,8	7,4	7,8	7,7	7,5	7,2	6,4	3,6	0,4	0,0	0,0	0,0	82,7	7,9	3,4
PFV-LAACACIA	0,0	0,0	0,0	0,0	0,0	0,0	0,3	1,9	2,5	5,7	7,1	7,3	7,2	5,6	6,6	6,6	6,3	5,0	2,3	0,3	0,0	0,0	0,0	0,0	64,7	7,3	2,7
PFV-ANTONIA-SOLAR	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,0	2,4	2,6	2,6	2,6	2,5	2,0	2,5	2,3	2,0	1,1	0,1	0,0	0,0	0,0	0,0	26,1	2,6	1,1
PFV-ROVIAN	0,0	0,0	0,0	0,0	0,0	0,0	0,5	3,0	5,5	6,4	6,6	6,7	6,7	6,6	6,5	6,4	6,1	5,3	3,0	0,4	0,0	0,0	0,0	0,0	69,5	6,7	2,9
PFV-DON-MARIANO	0,0	0,0	0,0	0,0	0,0	0,0	0,1	1,0	2,0	2,3	2,4	2,4	2,4	2,3	2,3	2,3	2,2	1,9	1,1	0,1	0,0	0,0	0,0	0,0	24,8	2,4	1,0
PFV-LALAJUELA	0,0	0,0	0,0	0,0	0,0	0,0	0,7	3,8	5,1	6,6	6,6	6,8	6,9	6,9	5,1	4,5	5,4	6,4	4,0	0,5	0,0	0,0	0,0	0,0	69,3	6,9	2,9
PFV-ALTOSDEITIL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	1,1	1,6	1,9	2,0	2,0	1,9	1,6	1,1	0,5	0,0	0,0	0,0	0,0	0,0	0,0	14,3	2,0	0,6
PFV-AMPARODELSOL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	2,1	2,4	2,5	2,6	2,6	2,6	2,6	2,5	2,4	2,0	1,0	0,1	0,0	0,0	0,0	25,9	2,6	1,1
PFV-GIRASOLES	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,5	1,9	2,2	2,3	2,2	2,2	2,3	2,3	2,2	2,1	1,8	0,8	0,0	0,0	0,0	0,0	0,0	23,0	2,3	1,0
PFV-ELROBLE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,6	1,2	2,1	4,6	7,7	7,5	7,5	7,4	6,9	5,7	2,7	0,2	0,0	0,0	0,0	0,0	54,4	7,7	2,3
PFV-LOSGORRIONES	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,5	2,4	2,6	2,7	2,7	2,7	2,7	2,7	2,6	2,6	2,3	1,3	0,2	0,0	0,0	0,0	0,0	29,3	2,7	1,2
PFV-GRANADA	0,0	0,0	0,0	0,0	0,0	0,0	0,6	3,4	6,3	7,2	7,5	7,6	7,5	7,4	7,4	7,4	7,3	6,4	3,4	0,5	0,0	0,0	0,0	0,0	80,0	7,6	3,3
PFV-ELPITO	0,0	0,0	0,0	0,0	0,0	0,0	0,3	1,5	2,4	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,6	2,3	1,4	0,2	0,0	0,0	0,0	0,0	29,5	2,7	1,2
PFV-LOSIERRA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,4	0,7	1,5	2,4	2,3	2,1	1,7	1,2	0,6	0,2	0,0	0,0	0,0	0,0	0,0	13,4	2,4	0,6
PFV-SANTAADRIANA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,3	1,8	2,4	2,4	2,4	2,3	2,2	2,2	2,1	1,9	1,1	0,1	0,0	0,0	0,0	0,0	21,5	2,4	0,9
PFV-QUELTHEUE-SOLAR	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,1	2,4	2,6	2,6	2,6	2,6	2,5	2,5	2,3	2,0	1,1	0,1	0,0	0,0	0,0	0,0	26,9	2,6	1,1
PFV-EL-QUELTHEUE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,3	1,8	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,8	2,4	1,2	0,1	0,0	0,0	0,0	26,2	2,9	1,1
PFV-RLA-SOLAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,3	0,5	1,0	2,4	2,0	0,0	1,4	2,4	2,1	1,1	0,2	0,0	0,0	0,0	0,0	13,7	2,4	0,6
PFV-MARCHIGUE-2	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,6	0,7	1,2	2,4	4,1	7,1	8,5	8,2	8,1	7,7	7,1	4,2	0,6	0,0	0,0	0,0	0,0	60,8	8,5	2,5
PFV-MARCHIGUE-VII	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,2	0,3	0,6	1,2	2,0	2,4	2,4	2,3	2,2	2,0	1,0	0,1	0,0	0,0	0,0	0,0	16,8	2,4	0,7
PFV-ESPERANZA2	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,4	0,6	1,0	2,2	5,0	8,0	8,6	8,3	8,3	7,8	7,0	3,9	0,4	0,0	0,0	0,0	0,0	61,5	8,6	2,6
PFV-POBLACION	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,2	0,3	0,5	1,2	2,0	2,3	2,3	2,3	2,2	2,0	1,2	0,1	0,0	0,0	0,0	0,0	16,9	2,3	0,7
PFV-PILILEN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,3	0,6	1,0	1,6	2,5	2,5	2,5	2,4	2,1	1,3	0,2	0,0	0,0	0,0	0,0	17,2	2,5	0,7
PFV-PORTEZUELO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,3	0,6	1,4	2,1	2,5	2,4	2,4	2,3	2,0	1,2	0,2	0,0	0,0	0,0	0,0	17,7	2,5	0,7
PFV-VITUCO2B	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,3	0,7	1,3	2,2	2,4	2,2	2,2	2,2	2,1	1,2	0,1	0,0	0,0	0,0	0,0	17,2	2,4	0,7
PFV-ELPILPEN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,4	2,2	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,8	2,5	1,3	0,1	0,0	0,0	0,0	26,6	2,9	1,1
PFV-LAS-MERCEDES-1	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,3	2,1	2,4	2,5	2,5	2,5	2,5	2,5	2,4	2,3	2,0	1,1	0,1	0,0	0,0	0,0	0,0	26,5	2,5	1,1
PFV-CITRINO	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,3	1,6	2,0	2,2	2,2	2,2	2,2	2,2	2,2	2,1	1,8	0,8	0,1	0,0	0,0	0,0	0,0	22,1	2,2	0,9
PFV-PUENTE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,3	2,5	2,6	2,7	2,6	2,6	2,5	2,4	2,2	1,4	0,3	0,0	0,0	0,0	0,0	25,6	2,7	1,1
PFV-LAUREL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	1,3	4,7	6,0	6,3	6,2	6,1	6,0	5,9	5,3	4,1	1,9	0,2	0,0	0,0	0,0	0,0	54,6	6,3	2,3
PFV-DONIHUE	0,0	0,0	0,0	0,0	0,0	0,0	0,2	3,5	5,9	7,0	0,7	0,2	7,2	7,4	7,4	7,3	7,0	6,1	3,3	0,4	0,0	0,0	0,0	0,0	63,6	7,4	2,6
PFV-CRUCERO	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,1	0,2	0,4	1,1	1,9	2,4	2,2	2,2	2,2	2,0	0,7	0,1	0,0	0,0	0,0	0,0	15,9	2,4	0,7
PFV-LUDERS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	1,3	2,4	2,7	2,8	2,8	2,8	2,8	2,7	2,6	2,3	1,2	0,2	0,0	0,0	0,0	0,0	29,5	2,8	1,2
PFV-OVEJERIA	0,0	0,0	0,0	0,0	0,0	0,0	0,6	3,6	6,5	7,3	7,6	7,7	7,8	7,7	7,7	7,6	7,1	5,9	2,9	0,4	0,0	0,0	0,0	0,0	80,3	7,8	3,3
PFV-EL-LITRE-II	0,0	0,0	0,0	0,0	0,0	0,0	0,6	4,4	7,4	8,4	8,8	9,0	9,0	9,0	9,0	8,9	8,3	7,1	3,9	0,4	0,0	0,0	0,0	0,0	94,3	9,0	3,9
PFV-ELROMERO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,3	32,0	85,8	133,7	169,2	190,1	195,9	192,5	179,2	153,7	116,9	67,8	19,7	1,6	0,0	0,0	0,0	1540,5	195,9	64,2
PFV-ELPELICANO	0,0	0,0	0,0	0,0	0,0	0,0	6,2	48,6	85,7	95,7	98,8	96,7	97,5	96,0	95,7	96,6	92,4	79,3	38,5	3,3	0,0	0,0	0,0	0,0	1032,9	98,8	43,0
PFV-LASILLA	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,9	1,3	1,3	1,5	1,5	1,4	1,5	1,3	1,3	1,4	0,9	0,4	0,1	0,0	0,0	0,0	0,0	14,6	1,5	0,6
PFV-PUNTABAJASOLAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,7	1,6	1,9	2,0	2,0	2,0	2,0	2,0	2,0	1,9	1,6	0,8	0,1	0,0	0,0	0,0	0,0	20,9	2,0	0,9
PFV-SOLDELNORTE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,9	1,6	2,1	2,4	2,6	2,6	2,4	2,0	1,5	1,0	0,4	0,0	0,0	0,0	0,0	0,0	19,8	2,	

RESUMEN DIARIO DE OPERACION DEL SEN

23-01-2021

23-01-2021

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA MWh	DMAX MWh/h	DMED. MWh/h
PFV-NILHUE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,4	0,6	0,7	0,8	0,8	0,7	0,6	0,4	0,2	0,0	0,0	0,0	0,0	0,0	5,6	0,8	0,2
PFV-MARIN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,4	2,3	2,6	2,8	2,9	2,9	2,9	2,8	2,7	2,5	1,8	0,3	0,0	0,0	0,0	0,0	28,2	2,9	1,2
PFV-HORMIGA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,4	0,9	1,4	1,8	2,0	2,0	1,9	1,7	1,6	1,2	0,7	0,2	0,0	0,0	0,0	0,0	16,1	2,0	0,7
PFV-FILOMENA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,8	1,9	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,3	1,6	0,7	0,1	0,0	0,0	0,0	24,5	2,4	1,0
PFV-ELBOCO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,4	1,2	2,4	2,8	2,9	2,9	2,6	2,1	1,5	0,8	0,2	0,0	0,0	0,0	0,0	19,9	2,9	0,8
PFV-CANESA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-OLIVILLO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,6	2,7	7,4	7,9	7,9	8,0	7,9	7,7	7,9	7,6	5,9	2,7	0,4	0,0	0,0	0,0	74,6	8,0	3,1
PFV-ARIZTIA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,4	0,5	0,8	2,2	2,5	2,4	2,4	2,4	2,4	2,0	1,0	0,1	0,0	0,0	0,0	19,3	2,5	0,8
PFV-PANQUEHUE-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,9	2,0	3,2	4,3	5,0	5,4	5,3	4,9	4,1	3,0	1,6	0,5	0,1	0,0	0,0	0,0	40,4	5,4	1,7
PFV-PICURIO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	1,5	2,5	2,8	2,9	3,0	2,9	2,9	2,8	2,7	2,3	1,9	1,1	0,1	0,0	0,0	0,0	29,6	3,0	1,2
PFV-TILTIL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,8	1,4	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,5	1,4	0,8	0,1	0,0	0,0	0,0	17,5	1,6	0,7
PFV-LUNA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,1	0,1	0,3	0,8	1,3	1,6	1,6	1,6	1,5	1,1	0,5	0,1	0,0	0,0	0,0	10,6	1,6	0,4
PFV-ELQUEULE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,4	0,4	0,6	1,1	3,5	4,6	4,8	5,0	5,0	5,0	4,8	2,2	0,3	0,0	0,0	0,0	37,3	5,0	1,8
PFV-LO-MIRANDA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	2,6	4,7	5,2	5,5	5,6	5,5	5,5	5,5	5,4	5,2	4,5	2,2	0,3	0,0	0,0	0,0	58,1	5,6	2,4
PFV-OCO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	2,5	2,7	2,7	2,7	2,7	2,7	2,7	2,6	2,3	1,3	0,0	0,0	0,0	0,0	25,1	2,7	1,0
PFV-LOS-TILOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,5	3,4	3,5	3,5	3,5	3,5	3,5	3,5	3,4	3,0	1,5	0,1	0,0	0,0	0,0	33,2	3,5	1,4
PFV-CHIMBARONGO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	1,2	2,0	2,2	2,4	2,4	2,4	2,3	2,3	2,2	1,9	1,7	0,8	0,1	0,0	0,0	0,0	24,1	2,4	1,0
PFV-LORETO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,1	2,4	2,5	2,5	2,5	2,5	2,5	2,5	2,4	2,0	0,8	0,1	0,0	0,0	0,0	26,2	2,5	1,1
PFV-ESTERO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,1	0,2	0,3	1,0	1,6	1,8	1,7	1,7	1,6	1,2	0,5	0,1	0,0	0,0	0,0	11,8	1,8	0,5
PFV-LOSLIBERTADORES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,8	2,0	3,3	4,0	4,3	4,3	4,1	4,0	3,6	3,0	1,8	0,6	0,1	0,0	0,0	0,0	36,0	4,3	1,5
PFV-ARGOMEDO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,6	3,5	6,7	7,7	7,9	7,9	7,9	7,9	7,9	6,1	7,3	6,3	3,0	0,4	0,0	0,0	0,0	81,2	7,9	3,4
PFV-SANTA-AMELIA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,3	0,8	0,8	0,8	0,8	0,8	0,7	0,1	0,0	0,0	0,0	5,2	0,8	0,2
PFV-CATANSOLAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,4	2,3	2,5	2,5	2,5	2,6	2,5	2,5	2,5	2,4	1,8	0,6	0,1	0,0	0,0	0,0	26,3	2,6	1,1
PFV-VILLAPRAT	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	1,2	2,3	2,7	2,8	2,8	2,8	2,7	2,7	2,6	2,5	2,2	1,0	0,2	0,0	0,0	0,0	28,6	2,8	1,2
PFV-LAS-ROJAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	2,3	2,7	2,7	2,7	2,7	2,7	2,7	2,6	2,0	0,8	0,0	0,0	0,0	0,0	24,3	2,7	1,0
PFV-LLANOS-DE-POTROSO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,2	5,8	6,4	6,4	6,4	6,4	6,5	6,4	6,4	6,3	6,0	3,1	0,1	0,0	0,0	0,0	68,4	6,5	2,8
PFV-LOSPATOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,5	2,4	2,6	2,7	2,7	2,8	2,8	2,7	2,7	2,6	2,4	1,4	0,2	0,0	0,0	0,0	29,8	2,8	1,2
PFV-LAFRONTERA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,3	0,4	0,6	0,9	2,1	3,9	4,1	3,9	3,3	2,4	1,4	0,4	0,1	0,0	0,0	0,0	23,8	4,1	1,0
PFV-PARAGUAY	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,7	3,8	7,3	8,5	8,6	8,7	8,8	8,7	8,7	8,6	8,2	6,7	3,2	0,5	0,0	0,0	0,0	91,0	8,8	3,8
PFV-RANGUIL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,2	0,1	0,3	0,5	1,5	2,2	2,3	2,3	2,3	2,2	2,0	1,0	0,1	0,0	0,0	0,0	17,1	2,3	0,7
PFV-TALCA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	3,2	5,4	6,4	6,6	6,6	6,7	6,7	6,7	6,3	4,3	3,2	1,3	0,1	0,0	0,0	0,0	64,1	6,7	2,7
PFV-VILLA-CRUZ	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,7	2,2	2,5	2,6	2,6	2,7	2,7	2,7	2,7	2,6	2,4	1,3	0,2	0,0	0,0	0,0	28,1	2,7	1,2
PFV-SANTA-FE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	3,1	6,4	7,8	8,1	8,2	8,2	8,1	8,1	8,1	7,9	6,6	3,2	0,4	0,0	0,0	0,0	84,6	8,2	3,5
PFV-VILLA-ALEGRE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-LEMU	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	2,6	4,4	4,8	4,9	5,0	5,0	5,0	5,0	5,0	4,8	4,4	2,2	0,2	0,0	0,0	0,0	53,7	5,0	2,2
PFV-LASPERDICES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,0	2,1	2,2	2,3	1,3	2,3	2,3	2,3	2,3	2,1	1,3	0,2	0,0	0,0	0,0	24,0	2,3	1,0
PFV-TRICA-DOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,8	1,6	1,8	1,9	1,9	1,9	1,8	1,8	1,8	1,8	1,6	0,9	0,1	0,0	0,0	0,0	19,8	1,9	0,8
PFV-QUILAPILUN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	3,6	35,4	78,2	91,4	95,2	97,1	97,8	96,6	95,8	94,8	89,1	75,1	38,9	5,1	0,0	0,0	0,0	994,1	97,8	41,4
PFV-CHACABUCO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,5	3,4	7,0	8,5	8,9	9,0	9,0	9,0	8,9	8,6	8,2	6,5	2,9	0,4	0,0	0,0	0,0	90,7	9,0	3,8
PFV-JAHUEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	2,2	4,4	5,0	5,2	5,2	5,2	5,2	5,2	5,1	4,9	4,2	2,4	0,3	0,0	0,0	0,0	54,7	5,2	2,3
PFV-KONDA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,1	2,0	2,2	2,3	2,4	2,4	2,4	2,4	2,3	2,2	1,9	0,9	0,1	0,0	0,0	0,0	24,8	2,4	1,0
PFV-TECHOSDEALTAMIRA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-GUANACO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,3	1,8	2,5	2,6	2,7	2,7	2,7	2,6	2,6	2,4	2,1	1,0	0,1	0,0	0,0	0,0	26,0	2,7	1,1
PFV-PIRQUE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,2	2,1	2,4	2,6	2,6	2,6	2,6	2,5	2,5	2,4	2,0	1,0	0,1	0,0	0,0	0,0	26,8	2,6	1,1
PFV-FOTOVOLT-SOLAR-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-DARLIN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,6	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,3	0,0	0,0	0,0	11,0	0,9	0,5
PFV-PEPA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,8	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,5	0,3	0,0	0,0	0,0	19,1	1,6	0,8
PFV-FRANCISCO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
PFV-CANDELARIA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,3	2,0	2,2	2,3	2,3	2,3	2,3	2,2	2,2	2,1	1,8	1,0	0,1	0,0	0,0	0,0	24,2	2,3	1,0
PFV-BLANQUINA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,6	3,4	6,5	7,6	8,0	8,0	8,0	7,9	7,9	7,7	7,4	5,8	2,6	0,3	0,0	0,0	0,0	81,8	8,0	3,4
PFV-TRICAHUE2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,7	4,1	7,1	8,0	8,3	8,5	8,5	8,3	8,2	8,2	7,8	6,8	3,6	0,5	0,0	0,0	0,0	88,6	8,5	3,7
PFV_SAN_ISIRO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	1,0	1,7	1,9	2,0	2,1	2,1	2,0	2,0	2,0	1,9	1,6	0,8	0,1	0,0	0,0	0,0	21,4	2,1	0,9
PFV-SANPEDRO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1																		

RESUMEN DIARIO DE OPERACION DEL SEN

23-01-2021

23-01-2021

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX	DMED
																									MWh	MWh/h	MWh/h
PFV-RINCONADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.9	6.7	7.6	7.8	7.9	7.8	7.7	7.6	7.5	7.1	6.2	3.3	0.4	0.0	0.0	0.0	82.2	7.9	3.4
PFV-EI-RESPLANDOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	2.3	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.3	1.6	0.3	0.0	0.0	0.0	28.6	2.6	1.2
PFV-VALLEDALALUNA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.7	1.2	1.6	2.0	2.0	2.0	2.1	1.2	1.7	0.8	0.1	0.0	0.0	0.0	0.0	19.6	2.1	0.8
PFV-CRUZSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.2	2.4	2.6	2.6	2.6	2.6	2.6	2.5	2.4	2.1	1.2	0.1	0.0	0.0	0.0	25.2	2.6	1.1
PFV-SANFRANCISCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.4	2.5	2.5	2.6	2.5	2.5	2.5	2.3	1.9	0.9	0.1	0.0	0.0	0.0	26.0	2.6	1.1
PFV-LIPANGUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.1	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.0	0.3	0.1	0.0	0.0	0.0	16.2	1.7	0.7
PFV-SOL-DE-SEPTIEMBRE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	3.4	5.5	7.2	8.3	8.9	8.8	8.2	6.9	5.1	2.9	1.0	0.2	0.0	0.0	0.0	68.0	8.9	2.8
PFV-TREBAL-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0	1.6	2.1	2.4	2.5	2.5	2.2	1.9	1.3	0.7	0.2	0.0	0.0	0.0	0.0	19.1	2.5	0.8
PFV-LAQUINTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.3	1.9	0.9	0.1	0.0	0.0	0.0	25.7	2.5	1.1
PFV-CUZCUZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.6	1.9	2.1	2.4	2.3	2.2	2.2	2.0	1.7	0.8	0.1	0.0	0.0	0.0	19.7	2.4	0.8
PFV-NORTECHICO1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.2	0.4	0.0	0.0	0.0	0.0	16.0	1.7	0.7
PFV-LOMALOSCOLORADOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.8	0.7	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	6.0	0.8	0.3
PFV-SANTA-INES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	2.2	2.5	2.6	2.6	2.7	2.7	2.7	2.6	2.5	1.9	0.8	0.1	0.0	0.0	0.0	27.2	2.7	1.1
PFV-EL-CONDOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.7	0.3	0.0	0.0	0.0	0.0	11.2	1.1	0.5
PFV-PERAILLO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	0.6	0.7	1.5	2.8	2.6	2.8	2.7	2.7	2.6	2.3	1.1	0.1	0.0	0.0	0.0	23.8	2.8	1.0
PFV-LAS-TORCAZAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-SANTIAGOSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	12.7	31.4	52.2	67.8	78.1	82.8	81.2	74.2	61.6	43.8	23.5	7.2	1.2	0.0	0.0	0.0	619.7	82.8	25.8
PFV-LOS-PERALES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	2.0	2.5	2.6	2.6	2.4	2.0	1.5	0.9	0.3	0.0	0.0	0.0	0.0	18.3	2.6	0.8
PFV-ELPIQUERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	2.1	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.3	1.2	0.1	0.0	0.0	0.0	25.9	2.7	1.1
PFV-PITRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	2.2	2.0	2.7	2.7	2.7	1.7	2.7	2.6	1.6	0.4	0.0	0.0	0.0	0.0	22.8	2.7	1.0
PFV-CATEMU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.1	0.1	0.0	0.0	0.0	0.0	15.5	1.7	0.6
PFV-PLACILLASOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.5	7.9	8.7	9.0	9.0	9.0	9.0	9.0	8.9	8.6	7.4	4.1	0.6	0.0	0.0	0.0	96.3	9.0	4.0
PFV-UTFSM-VALPO-VALDES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0
PFV-UTFSM-VINA-MAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-RODEO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.4	2.5	2.5	2.5	2.5	2.4	2.5	2.3	2.0	0.9	0.0	0.0	0.0	0.0	23.7	2.5	1.0
PFV-TUCUQUERE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.7	2.3	1.2	0.1	0.0	0.0	0.0	27.3	2.9	1.1
PFV-PEDREROS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.7	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.3	1.9	0.9	0.1	0.0	0.0	0.0	24.1	2.4	1.0
PFV-DONEUGENIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	1.3	2.0	2.1	2.1	2.1	2.1	2.1	2.1	1.3	0.2	0.0	0.0	0.0	16.4	2.1	0.7
PFV-CHANCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	1.9	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.2	1.9	0.9	0.1	0.0	0.0	0.0	24.8	2.4	1.0
PFV-ELSAUCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.3	2.3	2.3	2.3	2.2	2.1	1.6	0.7	0.0	0.0	0.0	0.0	16.0	2.3	0.7
PFV-SANTAROSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.8	1.2	3.1	6.1	8.8	8.6	8.5	8.4	8.0	6.9	3.5	0.4	0.0	0.0	0.0	65.0	8.8	2.7
PFV-LASARAUCARIAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GMAR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M1AR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M2AR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIQUIQUE-MAIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIQUIQUE-MIIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIQUIQUE-MSIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIQUIQUE-SUIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IIQUIQUE-TGIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_2-5_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_6_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_13_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_7-12_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTTAR CARBÓN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TGTAR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG1_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG2_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA MWh	DMAX MWh/h	DMED. MWh/h	
KELAR TG2_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
KELAR TG2_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	3,5	30,1	43,7	79,6	97,1	90,6	87,1	87,4	92,2	88,4	94,3	96,9	96,3	129,2	140,9	144,9	143,4	132,7	1678,0	144,9	69,9	
KELAR TG2_CP_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
KELAR TV_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
KELAR TV_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	75,1	121,3	119,2	117,0	115,3	120,5	117,5	122,7	124,9	125,1	146,9	153,9	155,6	155,3	151,3	1921,4	155,6	80,1	
KELAR TV_CP_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
ANGAMOS-ANG1_CAR	273,6	273,6	274,0	272,2	273,0	274,5	275,6	274,7	263,6	253,7	273,7	272,3	272,6	270,1	273,4	270,2	273,3	272,6	272,0	275,2	275,6	275,5	275,6	275,1	6535,5	275,6	272,3	
ANGAMOS-ANG2_CAR	240,7	240,9	240,8	240,2	239,9	240,8	240,6	240,3	229,7	215,8	236,7	235,5	237,2	233,3	240,0	239,5	238,9	240,1	239,4	242,3	241,3	240,7	241,2	240,7	5716,5	242,3	238,2	
CCH1_CARBON	274,8	275,0	275,4	275,2	275,4	275,1	275,4	275,4	267,9	262,7	254,8	251,1	252,1	196,2	178,2	179,7	200,9	160,5	224,2	267,6	272,7	274,7	275,1	274,5	5994,3	275,4	249,8	
CCH2_CARBON	273,0	275,6	275,4	275,6	275,8	275,7	275,8	275,9	268,0	212,6	204,7	243,1	236,7	177,4	115,7	104,5	123,5	105,7	163,3	261,8	271,9	272,2	266,9	270,9	5501,7	275,9	229,2	
MEJILLONES-CTM1_CAR	0,0	0,0	0,0	0,0	0,0	13,5	24,1	25,1	37,9	67,0	92,4	91,9	105,7	134,0	144,0	130,0	75,1	62,1	75,0	71,8	46,8	62,9	82,0	102,1	1443,2	144,0	60,1	
MEJILLONES-CTM2_CAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TG_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TG_GAS NATURAL	155,8	88,0	56,7	52,8	51,3	52,3	45,4	116,4	80,5	62,6	47,5	9,0	0,0	0,0	0,0	0,0	0,0	5,5	28,0	44,4	55,9	123,2	155,4	156,9	157,5	1545,1	157,5	64,4
CTM3-TG_CP_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TG_CP2_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TV_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TV_GAS NATURAL	83,0	58,0	44,5	41,7	40,6	40,9	36,2	64,9	56,1	48,5	39,5	3,9	0,0	0,0	0,0	0,0	0,0	0,0	28,6	43,4	69,1	83,5	84,0	83,7	949,8	84,0	39,6	
CTM3-TV_CP_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CTM3-TV_CP2_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
MEJILLONES-IEM_CAR	350,0	340,0	350,0	350,0	350,0	350,0	350,0	350,0	350,0	320,0	320,0	340,0	350,0	330,0	350,0	350,0	350,0	350,0	350,0	350,0	350,0	350,0	350,0	340,0	350,0	8290,0	350,0	345,4
ANDINA-CTA_CAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
HORNITOS-CTH_CAR	139,5	139,3	139,9	139,1	138,6	138,9	140,0	138,8	139,9	127,2	98,2	121,4	94,8	90,9	93,1	92,4	92,6	92,3	114,0	137,3	138,8	138,8	138,8	138,8	2963,2	140,0	123,5	
TG1A_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TG1A_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TG1B_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TG1B_GAS NATURAL	99,2	99,3	98,8	97,0	96,7	99,9	87,7	86,4	56,6	1,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	822,7	99,9	34,3	
TG2A_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TG2A_GAS NATURAL	107,3	108,1	108,6	107,7	94,0	97,5	84,8	70,4	17,1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	795,5	108,6	33,1	
TG2B_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TG2B_GAS NATURAL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TV1C_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TV1C_GAS NATURAL	54,8	54,8	54,8	53,9	53,9	54,8	51,1	50,8	40,3	0,2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	469,4	54,8	19,6	
TV2C_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TV2C_GAS NATURAL	57,9	58,1	58,3	57,9	53,0	54,0	50,3	46,2	13,8	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	449,5	58,3	18,7	
PAM_COGEN	21,4	21,4	21,6	21,6	21,7	21,5	21,7	21,8	21,7	21,6	21,7	21,7	21,6	21,5	21,4	21,6	21,5	21,5	21,5	21,9	21,5	21,8	21,4	21,5	518,0	21,9	21,6	
ENAEX CUMMINS_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
ENAEX DEUTZ_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
MANTOSBLANCOS-MIMB_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
LAPORTADA-TECNET_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
INACAL_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
AGB_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TALTAL-1_GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
TALTAL-2_GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0				

RESUMEN DIARIO DE OPERACION DEL SEN

23-01-2021

23-01-2021

[illegible]

[illegible]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX	DMED.	
																									MWh	MWh/h	MWh/h	
PMGD-LOSSAUCES-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-MALLECO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CHUFKEN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CURACAUTIN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,2	0,5	0,5	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1,1	0,5	0,0	
LONGUIMAY	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
EAGON	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
LPLAUTARO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-AROMOS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
LPPANGUIPULLI	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
REY_DIESEL	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
SOUTHERN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
WATTS-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
WATTS-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
SKRETTINGOSORNO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-TAMBORES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-CHIFIN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-LOS-NEGROS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-CAMPESINA	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-RAPACO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-CIRUEILLO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	1,3	1,3	0,1	
PMGD-CALAFATE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-ALERCE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
MULTIEXPORT-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
MULTIEXPORT-2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
PMGD-BLUEGATE	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
ELCANELO-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
SKRETTING	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
DANISCO	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
BIOMAR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
SALMOFOOD-1	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
CHANGOS->CUMBRES C1	240,4	185,8	144,6	100,1	96,3	127,1	134,5	203,8	181,0	155,7	308,8	407,2	387,5	398,3	350,9	318,2	322,6	288,4	337,1	306,6	185,3	173,8	187,2	178,1	5719,3	407,2	238,3	
TOTAL HORA. SING	237,2	182,7	66,5	97,9	94,1	124,8	132,3	201,5	178,8	152,7	305,0	403,3	383,8	394,6	347,3	314,6	319,1	285,0	333,5	303,0	182,1	170,6	183,9	174,9	5569,1	403,3	232,0	
CUMBRES->CHANGOS C1	-228,4	-174,1	-132,2	-88,8	-85,2	-115,9	-123,6	-192,4	-171,2	-149,1	-299,0	-394,3	-375,1	-385,7	-339,7	-307,9	-312,2	-278,7	-325,8	-295,4	-175,3	-163,1	-176,0	-166,9	-5455,6	-85,2	-227,3	
CUMBRES->CHANGOS C2	-229,6	-175,3	-134,8	-90,8	-87,2	-118,0	-125,8	-194,7	-173,5	-150,5	-299,7	-395,3	-376,1	-386,7	-340,8	-309,0	-313,3	-279,8	-326,8	-296,3	-176,2	-164,0	-176,8	-167,9	-5489,0	-87,2	-228,7	
TOTAL HORA.	6310,7	6054,0	5850,1	5865,1	5740,7	5646,4	5660,6	5498,8	5833,2	6257,8	6240,6	6292,2	6439,0	6416,4	6473,0	6453,3	6285,1	6312,9	6148,7	6147,4	6389,7	6714,8	6621,6	6301,5	147.953			
TOTAL HORA. SING	2876	2752	2635	2566	2548	2601	2607	2735	2683	2685	2930	3075	3108	3078	2985	2900	2932	2871	3002	2986	2797	2791	2790	2756	67.687			
TOTAL SEN	9186	8806	8485	8431	8289	8248	8268	8234	8516	8943	9170	9367	9547	9495	9458	9353	9217	9184	9151	9133	9187	9506	9411	9058	215.641			
CONS. PROPIOS	202	191	191	191	191	191	191	191	180	180	180	181	181	181	179	181	180	180	180	180	191	191	191	191	191	4.466		
CONS. PROPIOS SING	184	184	184	184	184	199	204	204	204	209	198	198	190	190	190	195	195	198	198	198	198	198	198	198	198	4.675		
FLUJO CHANGOS->CUMBRES	468	359	239	189	181	243	258	396	352	304	606	800	761	783	689	625	634	566	662	601	359	336	362	344	11.116			
PERDIDAS APROX.	197	178	160	159	152	150	152	150	166	186	203	217	224	224	221	216	207	204	200	197	196	214	210	190	4.574			
PERDIDAS APROX. SING	54	52	52	50	49	46	44	43	42	47	42	37	46	40	40	37	40	40	44	49	55	58	54	52	1.113			
DEMANDA APROX.	6379	6044	5738	5704	5579	5548	5576	5553	5840	6196	6465	6695	6796	6795	6762	6681	6532	6495	6430	6372	6361	6645	6582	6264	150.030			
DEMANDA APROX. SING	2170	2157	2159	2143	2134	2113	2101	2092	2085	2124	2084	2041	2111	2066	2065	2047	2064	2070	2099	2138	2184	2199	2175	2162	50.783			
HORA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DMAX :	6714,8	6715	

ANEXO N°3

Detalle del Movimiento de Centrales e Informe Diario del CDC correspondientes al día
23 de enero de 2021

23-01-2021	Ultima Actualización:	23-01-2021	23:59	CMG-Online:	72,9	Quilota, 230 kv:	SANISIDRO-2_TG1+TV1_FSTV U_GNL_A				DOCUMENTO 5				SS.CC.		
Hora Movi.	Equipo /		Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de	SSCC	BASEPOINT	
	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control	Activo		
00:00	-	CDC	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-	-	-	
00:00	-	CDC	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-	-	-	
00:00	-	PEHUENCHE	PEHUENCHE	-	-	-	-	-	RE	Se declara en condición de Agotamiento	-	A	-	ENEL GENERACION	-	MT	
00:00	-	RAPEL	RAPEL	-	-	-	-	-	RE	Se declara en condición de Agotamiento	-	A	-	ENEL GENERACION	-	-	
00:00	-	COLBUN	COLBUN	-	-	-	-	-	RE	Se declara en condición de Agotamiento	-	A	-	COLBUN	-	-	
00:00	-	NUEVARENCA	TG1+TV1_DIESEL	MT	N	LC	PS	-	OM	-	-	-	-	GENERADORA METROPOLITANA	-	-	
00:00	-	TRAPEN	DIESEL	-	DLF	LC	PP	-	OM	Cambio en la política de precios	Ctx Lt 220 kv Cautin - Cruellos	-	2021000171	ENLASA	-	-	
00:00	-	CALLECALLE	CALLECALLE_DIESEL	-	DN	-	PP	-	OM	Cambio en la política de precios	Ctx Lt 220 kv Cautin - Cruellos	-	-	STS	-	-	
00:00	-	LOS PINOS	DIESEL	MT	N	-	PS	-	OM	-	-	-	-	COLBUN	-	-	
00:00	-	CANDELA-1	DIESEL	MT	N	DLC	PS	-	OM	-	-	-	-	COLBUN	-	-	
00:00	-	ATACAMA-1TG1B	TG1B+0.5TV1_GNL_A	PC	N	LC	PC	-	OM	Conmuta de GNL D a GNL_A	-	-	-	GAS ATACAMA	-	-	
00:00	-	ATACAMA-2TG2A	TG2A+0.5TV2_GNL_A	PC	N	LC	PC	-	OM	Conmuta de GNL D a GNL_A	-	-	-	GAS ATACAMA	-	-	
00:09	-	CANUTILLAR-1	D	0	DN	-	FS	-	OM	-	-	N	-	COLBUN	-	-	
00:09	-	TRAPEN	DIESEL	75	LF	LC	PP	PCP	OM	-	Ctx Lt 220 kv Cautin - Cruellos	-	2021000171	ENLASA	-	-	
00:14	-	GUACOLDA-1	GUACOLDA-1_CAR	-	LP	-	EP	-	EP	-	-	-	2021000117 - IL202100252 1	AES GENER	-	PC	
00:15	-	CALLECALLE	CALLECALLE_DIESEL	PC	N	-	PC	-	OM	-	Ctx Lt 220 kv Cautin - Cruellos	-	-	STS	-	PC	
00:23	-	NUEVARENCA	TG1+TV1_DIESEL	MT	N	LC	PS	-	OM	FS TV	-	-	-	GENERADORA METROPOLITANA	-	-	
00:27	-	NUEVARENCA	TG1+TV1_DIESEL	0	DN	LC	FS	-	OM	-	-	-	-	GENERADORA METROPOLITANA	-	-	
01:00	-	PEHUENCHE-2	PEHUENCHE	0	DN	-	FS	-	OM	-	-	A	-	ENEL GENERACION	-	-	
01:07	-	CANUTILLAR-2	CANUTILLAR	0	DN	-	FS	-	OM	-	-	N	-	COLBUN	-	-	
02:00	-	TALTAL-2	GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	-	
02:51	-	COLBUN-1	COLBUN_sinv	-	DN	-	PP	-	OM	-	-	A	-	COLBUN	-	-	
02:56	-	NORGENER-NT01	NORGENER-NT01_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000072	AES GENER	-	PC	
03:44	-	GUACOLDA-1	GUACOLDA-1_CAR	140	LF	-	PC	PCP	OM	-	-	-	IL202100252 1	AES GENER	-	-	
03:44	-	GUACOLDA-5	GUACOLDA-5_CAR	-	LP	-	EP	PCP	EP	-	-	-	2021000118 - IL 2021000164	AES GENER	-	-	
04:00	-	ATACAMA-1TG1B	TG1B+0.5TV1_GNL_D	PC	N	LC	PC	-	OM	Conmuta de GNL D a GNL_D	-	-	-	GAS ATACAMA	-	-	
04:01	-	TALTAL-2	GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	ENEL GENERACION	-	-	
04:04	-	TRAPEN	DIESEL	10	LF	LC	CI	PCP	OM	-	-	-	2021000171	ENLASA	-	-	
04:51	-	COLBUN-1	COLBUN_sinv	MT	N	-	MT	-	OM	-	Ctx Lt 220 kv Cautin - Cruellos	-	-	COLBUN	-	MT	
04:51	-	COLBUN-2	COLBUN_sinv	-	DN	-	PP	-	OM	-	-	A	-	COLBUN	-	-	
05:00	-	COLBUN-2	COLBUN_sinv	MT	N	-	MT	-	OM	-	-	A	-	COLBUN	-	MT	
05:00	-	ATACAMA-2TG2A	TG2A+0.5TV2_GNL_D	PC	N	LC	PC	-	OM	Conmuta de GNL_A a GNL_D	-	-	-	GAS ATACAMA	-	-	
05:01	-	COLBUN-1	COLBUN_sinv	0	DN	-	FS	-	OM	-	-	A	-	COLBUN	-	-	
05:03	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR	-	PO	-	EP	PCP	EP	-	-	-	IF 2021000150 - IL 2021000116 - SIFC 2021005483	ENGIE	-	-	
05:30	-	KELAR-TG12	TG1+TG2+TV1_GNL_A	-	DLF	DLC	PP	-	OM	-	-	-	IL 2021000085	KELAR	-	MT	
05:55	-	KELAR-TG1	TG1_GNL_A	-	LF	LC	PMT	-	OM	Sincronizada	-	-	IL 2021000085	KELAR	-	-	
06:00	-	ATACAMA-2TG2A	TG2A+0.5TV2_GNL_A	PC	N	LC	PC	-	OM	Conmuta de GNL_D a GNL_A	-	-	-	GAS ATACAMA	-	-	
06:00	-	ATACAMA-1TG1B	TG1B+0.5TV1_GNL_A	PC	N	LC	PC	-	OM	Conmuta de GNL_D a GNL_A	-	-	-	GAS ATACAMA	-	-	
06:44	-	KELAR-TG2	TG2_GNL_A	-	LF	LC	PMT	-	OM	Sincronizada	-	-	IL 2021000085	KELAR	-	-	
07:00	-	SANISIDRO-1	TG1+TV1_GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION	-	-	
07:00	-	GUACOLDA-5	GUACOLDA-5_CAR	-	LF	-	PC	PCP	OM	-	-	-	IL 2021000164	AES GENER	-	-	
07:00	-	ANGOSTURA-2	RALCO_sinv	-	DN	-	PP	-	RE	-	-	-	-	COLBUN	-	-	
07:05	-	ANGOSTURA-2	RALCO_sinv	PC	N	-	PC	-	RE	-	-	-	-	COLBUN	-	PC	
07:25	-	SANISIDRO-1	TG1_GNL_A	MT	N	LC	PS	-	OM	FS TV	-	-	-	ENEL GENERACION	-	-	
07:25	-	SANISIDRO-2	TG1+TV1_FSTVU_GNL_A	PC	N	LC	PC	-	OM	Cambio de configuración por Retiro de C. San Isidro 1	-	-	-	ENEL GENERACION	-	PC	
07:42	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	MT	-	RE	Control Cota	-	-	-	COLBUN	-	MT	
07:51	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	PS	-	RE	Control Cota	-	-	-	COLBUN	-	MT	
07:54	-	CANUTILLAR-1	CANUTILLAR	-	DN	-	PP	-	OT	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	-	N	-	COLBUN	-	MT	
07:54	-	CANUTILLAR-2	CANUTILLAR	-	DN	-	PP	-	OT	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	-	N	-	COLBUN	-	MT	
07:54	-	ANGOSTURA-2	RALCO_sinv	0	DN	-	FS	-	RE	-	-	-	-	COLBUN	-	MT	
07:55	-	DEGAN	DEGAN_DIESEL	-	DLF	-	PP	-	OT	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	-	-	SIFC 2021006272	EMELDA	-	-	
07:55	-	DEGAN2-NAVE4	DIESEL	-	DN	-	PP	-	OM	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	-	-	-	EMELDA	-	-	
07:59	-	CANUTILLAR-1	CANUTILLAR	MT	N	-	MT	-	OT	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	-	N	-	COLBUN	-	MT	
08:00	-	CIPRESES-1	CIPRESES_sinv	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	-	
08:00	-	CIPRESES-2	CIPRESES_sinv	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION	-	-	
08:00	-	CIPRESES-3	CIPRESES_sinv	MT	N	-	MT	-	OM	Con SSSC	-	N	-	ENEL GENERACION	-	-	
08:00	-	LAUTARO-1	BL1 COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	PC	
08:00	-	LAUTARO-2	BL1 COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	PC	
08:00	-	LAUAYVE-1	COGEN	MT	N	-	MT	-	OM	-	-	-	-	AES GENER	-	MT	
08:00	-	NOTAS CDC	-	-	-	-	-	-	-	Inicia control transferencia línea 220 kv Rahue - Puerto Montt	Ctx Lt 220 kv Rahue - Puerto Montt	-	-	CDC	-	-	
08:00	-	CALLECALLE	DIESEL	MT	N	-	MT	-	OM	Finaliza Ctx Línea 220 kv Cautin - Cruellos.	Ctx Lt 220 kv Cautin - Cruellos	-	-	STS	-	-	
08:00	-	TALTAL-2	GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION	-	MT	
08:00	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	MT	LF	-	MT	PCP	OM	Cambio en La Política de Precios	-	-	IL 2020002449	ENGIE	-	MT	
08:00	-	TOCOPILLA-TG3	TG3_GNL_A	MT	LF	LC	PS	PCP	OM	Control Suministro combustible.	-	-	IL 2020000030	ENGIE	-	MT	
08:00	-	ATACAMA-2TG2A	TG2A+0.5TV2_GNL_A	MT	N	LC	MT	-	OM	Cambio en La Política de Precios	-	-	-	GAS ATACAMA	-	MT	
08:00	-	ATACAMA-1TG1B	TG1B+0.5TV1_GNL_A	MT	N	LC	MT	-	OM	Cambio en La Política de Precios	-	-	-	GAS ATACAMA	-	MT	
08:00	-	TRAPEN	DIESEL	MT	LF	LC	MT	PCP	OM	Sube a PC por SSSC.	Ctx Lt 220 kv Cautin - Cruellos	-	SI 2021000171	ENLASA	-	-	
08:03	-	DEGAN	DEGAN_DIESEL	PC	LF	-	PC	-	OT	-	Ctx Lt 220 kv Rahue - Puerto Montt	-	SIFC 2021006272	EMELDA	-	PC	
08:03	-	DEGAN2-NAVE4	DIESEL	8	LF	-	PC	-	SIFC	Revisión de parámetros operacionales en generadores	Ctx Lt 220 kv Rahue - Puerto Montt	-	SIFC 2021006323	EMELDA	-	PC	
08:04	-	CIPRESES-2	CIPRESES_sinv	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	-	
08:04	-	ATACAMA-2TG2A	TG2A+0.5TV2_GNL_A	MT	N	LC	PS	-	OM	Control Suministro combustible.	-	-	-	GAS ATACAMA	-	MT	
08:05	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	MT	-	OT	Desconexión de Línea 220 kv Rahue- Puerto Montt-2	Ctx Lt 220 kv Rahue - Puerto Montt	-	N	-	COLBUN	-	MT
08:12	-	TALTAL-2	GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	MT	
08:20	-	TOCOPILLA-TG3	TG3_GNL_A	0	DLF	DLC	FS	PCP	OM	-	-	-	IL 2020000030	ENGIE	-	MT	
08:26	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	PS	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	-	N	-	COLBUN	-	-
08:32	-	CANUTILLAR-1	CANUTILLAR	0	DN	-	FS	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	-	N	-	COLBUN	-	-
08:33	-	ATACAMA-2TG2A	TG2A_GNL_A	-	N	LC	PS	-	OM	F/S TV2C	-	-	-	GAS ATACAMA	-	MT	
08:36	-	ATACAMA-2TG2A	TG2A_GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	GAS ATACAMA	-	MT	
08:42	-	ATACAMA-1TG1B	TG1B+0.5TV1_GNL_A	MT	N	LC	PS	-	OM	Control Suministro combustible.	-	-	-	GAS ATACAMA	-	MT	
08:45	-	CALLECALLE	DIESEL	MT	N	-	PS	-	OM	-	Ctx Lt 220 kv Cautin - Cruellos	-	-	STS	-	-	
08:50	-	CALLECALLE	DIESEL	0	DN	-	FS	-	OM	-	-	-	-	STS	-	-	
08:54	-	TOCOPILLA-U16	TG1+TV1_GNL_A	MT	LF	LC	PS	PCP	OM	-	-	-	IL 2021000046	ENGIE	-	-	
09:02	-	CANUTILLAR-1	CANUTILLAR	SS	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	-	N	-	COLBUN	-	-
09:04	-	ATACAMA-1TG1B	TG1B_GNL_A	MT	N	LC	PS	-	OM	F/S TV1C	-	-	-	GAS ATACAMA	-	-	
09:04	-	TOCOPILLA-U16	TG1_GNL_A	MT	LF	LC	PS	PCP	OM	F/S TV	-	-	IL 2021000046	ENGIE	-	-	

23-01-2021	Ultima Actualización:	23-01-2021	23:59	CMG-Online:	72,9	Quilota_230 kv:	SANISIDRO-2_TG1+TV1_FSTVU_GNL_A				DOCUMENTO 5				SS.CC.	
Hora Movi.	Equipo /		Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción	Motivo	Zona Desacople	Condición	Neomante	Centro de	SSCC	BASEPOINT
	Instalación			Requerido (MW)	Operacional	Combustibles	CMg	Limitación	Condición	Comentario		del Embalse		Control	Activo	
09:06	-	KELAR-TG1	KELAR-TG1_TG1+0.5TV_GNL_A	-	LF	LC	PMT	PCP	OM	Acopla TV	-	-	IL 2021000085	KELAR	-	-
09:08	-	ATACAMA-1TG1B	ATACAMA-1TG1B_TG1B_GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	GAS ATACAMA	-	-
09:16	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1_GNL_A	0	DLC	DLC	FS	PCP	OM	-	-	-	IL 2021000046	ENGIE	-	-
09:19	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_FSTVU_GNL_A	MT	N	LC	MT	-	OM	Con SSCC	-	-	-	ENEL GENERACION	-	MT
09:19	-	MASISA	MASISA_COGEN	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000137	STS	-	MT
09:19	-	LICANTEN	LICANTEN_BLI_COGEN	PC	N	-	PC	-	OM	-	-	-	-	ARAUCO	-	PC
09:19	-	SANTAFE	SANTAFE_BLI+BL2_COGEN	PC	LF	-	PC	-	OM	-	-	-	-	SANTA FE	-	PC
09:19	-	VENTANAS-2	VENTANAS-2_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000176	AES GENER	-	MT
09:19	-	BOCAMINA-2	BOCAMINA-2_CAR	200	N	-	CI	-	OM	-	-	-	-	ENEL GENERACION	-	-
09:19	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENGIE	-	MT
09:19	-	NORGENER-NT01	NORGENER-NT01_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000072	AES GENER	-	MT
09:19	-	HORNITOS-CTH	HORNITOS-CTH_CAR	MT	LF	-	MT	PCP	OM	-	-	-	SICF 2021000947	ENGIE	-	MT
09:21	-	KELAR-TG12	KELAR-TG12_TG1+TG2+TV1_GNL_A	-	LF	LC	PMT	PCP	OM	Acopla TG2	-	-	IL 2021000085	KELAR	-	-
09:32	-	KELAR-TG12	KELAR-TG12_TG1+TG2+TV1_GNL_A	-	LF	LC	MT	PCP	OM	-	-	-	IL 2021000085	KELAR	-	-
09:33	-	BOCAMINA-2	BOCAMINA-2_CAR	MT	N	-	MT	-	OM	-	-	-	-	ENEL GENERACION	-	MT
09:33	-	NORGENER-NT02	NORGENER-NT02_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000073	AES GENER	-	MT
09:33	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	180	N	-	CI	-	OM	-	-	-	-	AES GENER	-	PC
09:43	-	CONDONES	CONDONES_DIESEL	4	PO	-	EP	-	EP	-	-	-	2021003145	PRIME ENERGIA	-	PC
09:55	-	BOCAMINA-2	BOCAMINA-2_CAR	280	N	-	CI	-	OM	-	-	-	-	ENEL GENERACION	-	-
09:55	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	PC	N	-	PC	-	OM	-	-	-	-	AES GENER	-	PC
09:55	-	NORGENER-NT02	NORGENER-NT02_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000073	AES GENER	-	MT
09:56	-	CANUTILLAR-2	CANUTILLAR	-	DN	-	PP	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
10:00	-	TRAPEN	TRAPEN_DIESEL	MT	LF	LC	PS	PCP	OM	Finaliza SSCC.	-	-	SI 2021000171	ENLASA	-	-
10:00	-	CIPRES-1	CIPRES-1_sinv	MT	N	-	PS	-	OM	Finaliza SSCC.	-	N	-	ENEL GENERACION	-	-
10:00	-	CIPRES-3	CIPRES-3_sinv	MT	N	-	PS	-	OM	Finaliza SSCC.	-	N	-	ENEL GENERACION	-	-
10:00	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	MT	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	MT
10:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_FSTVU_GNL_A	-	N	LC	MT	-	OM	Conmuta a GNL_E	-	-	-	ENEL GENERACION	-	-
10:06	-	TRAPEN	TRAPEN_DIESEL	0	DLF	DLC	FS	PCP	OM	-	-	-	SI 2021000171	ENLASA	-	-
10:08	-	CANUTILLAR-1	CANUTILLAR	PC	N	-	PC	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	PC
10:08	-	CIPRES-1	CIPRES-1_sinv	-	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	-
10:08	-	CIPRES-3	CIPRES-3_sinv	-	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	-
10:10	-	RALCO-1	RALCO_sinv	MT	N	-	MT	-	OM	Finaliza SSCC.	-	N	-	ENEL GENERACION	-	MT
10:30	-	BOCAMINA-2	BOCAMINA-2_CAR	PC	N	-	PC	-	OM	-	-	-	-	ENEL GENERACION	-	PC
10:34	-	HORNITOS-CTH	HORNITOS-CTH_CAR	PC	LF	-	PC	PCP	OM	-	-	-	SICF 2021000947	ENGIE	-	-
10:34	-	NORGENER-NT01	NORGENER-NT01_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000072	AES GENER	-	-
10:47	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENGIE	-	-
11:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_FSTVU_GNL_A	-	N	LC	MT	-	OM	Conmuta a GNL_A	-	-	-	ENEL GENERACION	-	-
11:08	-	RALCO-1	RALCO_sinv	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION	-	-
11:09	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A	-	N	LC	PS	-	OM	F/S TV	-	-	-	ENGIE	-	-
11:12	-	RALCO-1	RALCO_sinv	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	-
11:16	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	ENGIE	-	-
11:32	-	BOCAMINA-2	BOCAMINA-2_CAR	280	N	-	CI	-	OM	-	-	-	-	ENEL GENERACION	-	-
11:32	-	NORGENER-NT01	NORGENER-NT01_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000072	AES GENER	-	-
11:32	-	HORNITOS-CTH	HORNITOS-CTH_CAR	MT	LF	-	MT	PCP	OM	-	-	-	SICF 2021000947	ENGIE	-	-
11:39	-	CANUTILLAR-2	CANUTILLAR	50	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
11:59	-	CIPRES-3	CIPRES-3_sinv	-	DN	-	PP	-	OT	Con SSCC.	-	N	-	ENEL GENERACION	-	-
12:05	-	CIPRES-3	CIPRES-3_sinv	MT	N	-	MT	-	OT	Con SSCC.	-	N	-	ENEL GENERACION	-	MT
12:30	-	DEGAN	DEGAN_DIESEL	29	LF	-	PC	PCP	OM	Cancelado SICF 2021006272	-	-	SICF 2021006332	EMELDA	-	-
12:34	-	BOCAMINA-2	BOCAMINA-2_CAR	250	N	-	CI	-	OM	-	-	-	-	ENEL GENERACION	-	-
12:55	-	BOCAMINA-2	BOCAMINA-2_CAR	250	N	-	CI	-	OM	Se mantiene en 250, por que a las 14 hrs tienes SSCC en 280 MW.	-	-	-	ENEL GENERACION	-	-
12:55	-	NORGENER-NT02	NORGENER-NT02_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000073	AES GENER	-	-
12:55	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	MT	N	-	MT	-	OM	-	-	-	-	AES GENER	-	-
12:55	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR	180	N	-	CI	-	OM	-	-	-	-	AES GENER	-	-
13:00	-	CIPRES-3	CIPRES-3_sinv	MT	N	-	PS	-	OM	Finaliza SSCC.	-	-	-	ENEL GENERACION	-	-
13:01	-	CIPRES-3	CIPRES-3_sinv	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	-
13:03	-	TOTAL ERNC	Zona Norte	-30	-	-	-	-	-	Inicia control transferencia línea 220 kv Diego de Almagro - Paposo.	Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	CDC	-	-
13:03	-	PFV-LALACKAMA	PFV-LALACKAMA	61	N	-	CI	-	OM	Control transferencia línea 220 kv Diego de Almagro - Paposo.	Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	ENEL GREEN POWER	-	-
13:03	-	PFV-PAMPASOLAR NORTE	PFV-PAMPASOLAR NORTE	61	N	-	CI	-	OM	Control transferencia línea 220 kv Diego de Almagro - Paposo.	Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	ENEL GREEN POWER	-	-
13:03	-	PFV-CONEJO	PFV-CONEJO	95	N	-	CI	-	OM	Control transferencia línea 220 kv Diego de Almagro - Paposo.	Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	ENOR CHILE	-	-
13:03	-	PE-TALTAL	PE-TALTAL	56	N	-	CI	-	OM	Control transferencia línea 220 kv Diego de Almagro - Paposo.	Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	ENEL GREEN POWER	-	-
13:12	-	CANUTILLAR-2	CANUTILLAR	55	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
13:30	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG On-Line	-	-	-	CDC	-	-
13:52	-	CONDONES	CONDONES_DIESEL	-	DN	-	FS	-	EP	-	-	-	2021003145	PRIME ENERGIA	-	-
14:00	-	BOCAMINA-2	BOCAMINA-2_CAR	MT	N	-	MT	-	OM	Inicia SSCC.	-	-	-	ENEL GENERACION	-	MT
15:00	-	BOCAMINA-2	BOCAMINA-2_CAR	MT	N	-	MT	-	OM	Finaliza SSCC.	-	-	-	ENEL GENERACION	-	MT
15:00	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR	-	LF	-	MT	PCP	OM	Cancela IF 2021000150, IL 2021000116 y SICF 2021005483	-	-	IL 2021000178	ENGIE	-	-
16:00	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG horario	-	-	-	CDC	-	-
16:00	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	-	DN	DLC	PP	-	OM	-	-	-	-	ENGIE	-	-
16:09	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR	PC	N	-	PC	-	OM	-	-	-	-	AES GENER	-	-
16:09	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	160	N	-	CI	-	OM	-	-	-	-	AES GENER	-	-
16:12	-	NUUEVAVENTANAS	NUUEVAVENTANAS_CAR	PC	N	-	PC	-	OM	Con SSCC, y cancelada IL 2021000176.	-	-	-	AES GENER	-	PC
16:32	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	MT	N	-	MT	-	OM	-	-	-	-	AES GENER	-	-
16:32	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR	160	N	-	CI	-	OM	-	-	-	-	AES GENER	-	-
16:32	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A	-	N	LC	PMT	-	OM	-	-	-	-	ENGIE	-	-
16:44	-	RALCO-1	RALCO_sinv	-	DN	-	PP	-	OT	Con SSCC.	-	N	-	ENEL GENERACION	-	-
16:45	-	CANUTILLAR-2	CANUTILLAR	45	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
16:45	-	NUUEVAVENTANAS	NUUEVAVENTANAS_CAR	250	N	-	PC	PCP	OM	Control de parámetros del sistema de circulación y con SSCC.	-	-	IL 2021000179	AES GENER	-	-
16:51	-	RALCO-1	RALCO_sinv	MT	N	-	MT	-	OT	Con SSCC.	-	N	-	ENEL GENERACION	-	MT
16:53	-	TRAPEN	TRAPEN_DIESEL	-	DLF	DLC	PP	PCP	OT	COon SSCC.	-	-	IL 2021000171	ENLASA	-	-
16:56	-	TRAPEN	TRAPEN_DIESEL	60	LF	LC	CI	PCP	OT	Con SSCC	-	-	SI 2021000171	ENLASA	-	-
17:00	-	CANUTILLAR-1	CANUTILLAR	60	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
17:00	-	BOCAMINA-2	BOCAMINA-2_CAR	MT	N	-	MT	-	OM	Inicia SSCC.	-	-	-	ENEL GENERACION	-	MT
17:05	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	PS	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	-
17:09	-	CANUTILLAR-2	CANUTILLAR	0	DN	-	FS	-	OM	-	-	N	-	COLBUN	-	-
17:19	-	NOTA CDC	NOTA CDC	-	-	-	-	-	-	Finaliza control transferencia línea 220 kv Diego de Almagro - Paposo.	Finaliza Ctx Lt 220 kv Paposo - Diego de Almagro	-	-	CDC	-	-
18:00	-	VENTANAS-2	VENTANAS-2_CAR	110	LF	-	CI	PCP	OM	-	-	-	IL 2021000176	AES GENER		

23-01-2021	Ultima Actualización:	23-01-2021	23:59	CMG-Online:	72.9	Quilota_220 kv:	SANISIDRO-2_TG1+TV1_FSTV U_GNL_A				DOCUMENTO 5				SS.CC.	
Hora Movi.	Equipo /		Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de	SSCC	BASEPOINT
	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control	Activo	
18:00	-	DEGAN2-NAVE4	DEGAN2-NAVE4_DIESEL	8	LF	-	MT	PCP	OM	Cambio en La Política de Precios	Ctx Lt 220 kv Rahue - Puerto Montt	-	SICF 2021006323	EMELDA	-	
18:00	-	TRAPEN	TRAPEN_DIESEL	75	LF	LC	PC	PCP	OM	Cambio en la política de precios	Ctx Lt 220 kv Rahue - Puerto Montt	-	SI 2021000171	ENLASA	-	
18:00	-	DEGAN2-NAVE4	DEGAN2-NAVE4_DIESEL	8	LF	-	PS	PCP	OM		Ctx Lt 220 kv Rahue - Puerto Montt	-	SICF 2021006323	EMELDA	-	
18:00	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR	PC	N	-	PC	-	OM	Cambio en La Política de Precios	-	-	-	AES GENER	-	-
18:00	-	COCHRANE-CCH2	COCHRANE-CCH2_CAR	PC	N	-	PC	-	OM	Cambio en La Política de Precios	-	-	-	AES GENER	-	-
18:00	-	NORGENER-NT02	NORGENER-NT02_CAR	PC	LF	-	PC	PCP	OM	Cambio en La Política de Precios	-	-	IL 2021000073	AES GENER	-	-
18:00	-	NORGENER-NT01	NORGENER-NT01_CAR	PC	LF	-	PC	PCP	OM	Cambio en La Política de Precios	-	-	IL 2021000072	AES GENER	-	-
18:00	-	HORNTOS-CTH	HORNTOS-CTH_CAR	PC	LF	-	PC	PCP	OM	Cambio en La Política de Precios	-	-	SICF 2021000947	ENGIE	-	-
18:06	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	-	N	LC	PMT	-	OM	Acopla CTM3 TV	-	-	-	ENGIE	-	-
18:25	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	-	N	LC	MT	-	OM	-	-	-	-	ENGIE	-	-
18:28	-	DEGAN	DEGAN_DIESEL	MT	LF	-	PS	PCP	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	-	SICF 2021006332	EMELDA	-	
18:33	-	DEGAN2-NAVE4	DEGAN2-NAVE4_DIESEL	0	DLF	-	FS	-	OT	-	-	-	SICF 2021006323	EMELDA	-	
18:35	-	CANUTILLAR-1	CANUTILLAR	70	N	-	CI	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	
18:35	-	DEGAN	DEGAN_DIESEL	0	DLF	-	FS	-	OM	-	-	-	SICF 2021006332	EMELDA	-	
18:39	-	PEHUENCHE-1	PEHUENCHE	-	DN	-	PP	-	OT	Con SSCC	-	A	-	ENEL GENERACION	-	
18:39	-	CIPRES-1	CIPRES-1_sinv	-	DN	-	PP	-	OT	Con SSCC	-	N	-	ENEL GENERACION	-	
18:39	-	CIPRES-3	CIPRES-3_sinv	-	DN	-	PP	-	OT	Con SSCC	-	N	-	ENEL GENERACION	-	
18:43	-	VENTANAS-2	VENTANAS-2_CAR	-	LF	-	PC	PCP	OM	-	-	-	IL 2021000176	AES GENER	-	
18:44	-	CANUTILLAR-1	CANUTILLAR	PC	N	-	PC	-	OM	-	Ctx Lt 220 kv Rahue - Puerto Montt	N	-	COLBUN	-	
18:46	-	CIPRES-3	CIPRES-3_sinv	MT	N	-	MT	-	OT	Con SSCC	-	N	-	ENEL GENERACION	-	MT
18:47	-	CIPRES-1	CIPRES-1_sinv	MT	N	-	MT	-	OT	Con SSCC	-	N	-	ENEL GENERACION	-	MT
18:53	-	BOCAMINA-2	BOCAMINA-2_CAR	PC	N	-	PC	-	OM	Con SSCC	-	-	-	ENEL GENERACION	-	PC
18:53	-	SANTAFE	SANTAFE_BLI+BL2+BL3_COGEN	PC	LF	-	PC	-	OM	-	-	-	-	SANTA FE	-	PC
18:53	-	LICANTEN	LICANTEN_BLI+BL2_COGEN	PC	N	-	PC	-	OM	-	-	-	-	ARAUCO	-	PC
18:53	-	MASISA	MASISA_COGEN	-	LF	-	PC	PCP	OM	-	-	-	IL 2021000137	STS	-	
18:53	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_FSTVU_GNL_A	PC	N	LC	PC	-	OM	Con SSCC	-	-	-	ENEL GENERACION	-	PC
18:53	-	RALCO-1	RALCO_sinv	PC	N	-	PC	-	OM	Con SSCC	-	N	-	ENEL GENERACION	-	PC
18:53	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	-	N	LC	PC	-	OM	-	-	-	-	ENGIE	-	-
18:53	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR	-	LF	-	PC	PCP	OM	-	-	-	IL 2021000178	ENGIE	-	-
18:57	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OT	Con SSCC	-	A	-	ENEL GENERACION	-	MT
19:00	-	PANGUE-2	RALCO_sinv	PC	N	-	PC	-	RE	-	-	-	-	ENEL GENERACION	-	PC
19:00	-	BOCAMINA-2	BOCAMINA-2_CAR	PC	N	-	PC	-	OM	Finaliza SSCC	-	-	-	ENEL GENERACION	-	PC
19:08	-	RALCO-2	RALCO_sinv	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION	-	
19:13	-	GUACOLDA-5	GUACOLDA-5_CAR	PC	LF	-	PC	PCP	OM	Cancela IL 2021000164	-	-	IL2021000180	AES GENER	-	
19:15	-	RALCO-2	RALCO_sinv	PC	N	-	PC	-	OM	Con SSCC	-	N	-	ENEL GENERACION	-	PC
19:37	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	-	DN	LC	PP	-	OM	-	-	-	-	ENEL GENERACION	-	
19:43	-	PEHUENCHE-2	PEHUENCHE	-	DN	-	PP	-	OM	-	-	A	-	ENEL GENERACION	-	
19:43	-	CIPRES-1	CIPRES-1_sinv	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION	-	PC
19:43	-	CIPRES-2	CIPRES-2_sinv	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION	-	PC
19:43	-	CIPRES-3	CIPRES-3_sinv	PC	N	-	PC	-	OT	-	-	N	-	ENEL GENERACION	-	PC
19:43	-	LOSPINOS	LOSPINOS_DIESEL	-	N	-	PP	-	OM	-	-	-	-	COLBUN	-	
19:43	-	TOCOPILLA-TG3	TOCOPILLA-TG3_GNL_A	-	DLF	DLC	FS	PCP	SIF	Falla en proceso de partida.	-	-	IL2020000030	ENGIE	-	
19:43	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	115	LF	-	PC	PCP	OM	-	-	-	IL 2020002449	ENGIE	-	
19:43	-	KELAR-TG12	KELAR-TG12_TG1+TG2+TV1_GNL_A	514	LF	LC	PC	PCP	OM	-	-	-	IL 2021000085	KELAR	-	
19:43	-	LAUTARO-1	LAUTARO-1_BLI+BL2_COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	PC
19:43	-	LAUTARO-2	LAUTARO-2_BLI+BL2_COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	PC
19:43	-	LAJAVE-1	LAJAVE-1_COGEN	PC	N	-	PC	-	OM	-	-	-	-	AES GENER	-	PC
19:46	-	COLBUN-1	COLBUN_sinv	-	DN	-	PP	-	OM	-	-	A	-	COLBUN	-	
19:47	-	TALTAL-1	TALTAL-1_GNL_A	-	DN	DLC	PP	-	OM	-	-	-	-	ENEL GENERACION	-	
19:47	-	TALTAL-2	TALTAL-2_GNL_A	-	DN	DLC	PP	-	OM	-	-	-	-	ENEL GENERACION	-	
19:55	-	COLBUN-1	COLBUN_sinv	MT	N	-	MT	-	OM	-	-	A	-	COLBUN	-	MT
19:59	-	LOSPINOS	LOSPINOS_DIESEL	-	N	-	PMT	-	OM	Sincronizada	-	-	-	COLBUN	-	
20:00	-	TALTAL-2	TALTAL-2_GNL_A	-	N	LC	PMT	-	OM	Sincronizada	-	-	-	ENEL GENERACION	-	
20:01	-	LOSPINOS	LOSPINOS_DIESEL	MT	N	-	MT	-	OM	-	-	-	-	COLBUN	-	PC
20:01	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	A	-	ENEL GENERACION	-	MT
20:01	-	CANUTILLAR-1	CANUTILLAR	MT	N	-	MT	-	OM	Fin Control Tx Rahue Puerto Montt, Inicio Control Tx L 220 kv Cautin Cruellos	Ctx Lt 220 kv Cautin - Cruellos	N	-	COLBUN	-	MT
20:07	-	CALLECALLE	CALLECALLE_DIESEL	-	N	-	PP	-	OM	-	-	-	-	STS	-	
20:07	-	CHUYACA	CHUYACA_DIESEL	-	DLF	-	PP	-	OT	-	-	-	-	STS	-	
20:07	-	TALTAL-1	TALTAL-1_GNL_A	-	N	LC	PMT	-	OM	Sincronizada	-	-	-	ENEL GENERACION	-	
20:08	-	TALTAL-2	TALTAL-2_GNL_A	PC	N	LC	PC	-	OM	al MT y Sube a PC	-	-	-	ENEL GENERACION	-	
20:15	-	CMPCCORDILLERA	CMPCCORDILLERA_GNL_A	-	N	DLC	PP	-	OM	-	-	-	-	SANTA FE	-	
20:15	-	CALLECALLE	CALLECALLE_DIESEL	PC	N	-	PC	-	OM	-	Ctx Lt 220 kv Cautin - Cruellos	-	-	STS	-	PC
20:17	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	-	N	LC	PMT	-	OM	Sincronizada	-	-	-	ENEL GENERACION	-	
20:18	-	TALTAL-1	TALTAL-1_GNL_A	PC	N	LC	PC	-	OM	al MT y Sube a PC	-	-	-	ENEL GENERACION	-	
20:24	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	ENEL GENERACION	-	PC
20:28	-	VALDIVIA	VALDIVIA_BLI+BL2+BL3_COGEN_EUCA	27	LF	-	-	PCP	OM	-	-	-	Il2000	ARAUCO	-	
20:29	-	TOCOPILLA-TG3	TOCOPILLA-TG3_GNL_A	-	LF	LC	PMT	PCP	OM	Cancelado IF.	-	-	IL20200000030	ENGIE	-	
20:32	-	TOCOPILLA-TG3	TOCOPILLA-TG3_GNL_A	33	LF	LC	PC	PCP	OM	MT y sube a PC	-	-	IL2020000030	ENGIE	-	
20:41	-	NORGENER-NT02	NORGENER-NT01_CAR	-	LP	-	EP	-	EP	-	-	-	SI 2021004058 - IL 2021000072	AES GENER	-	
20:43	-	CMPCCORDILLERA	CMPCCORDILLERA_GNL_A	-	N	DLC	PMT	-	OM	Sincronizada	-	-	-	SANTA FE	-	
20:45	-	CMPCCORDILLERA	CMPCCORDILLERA_GNL_A	MT	N	DLC	MT	-	OM	-	-	-	-	SANTA FE	-	MT
20:47	-	TALTAL-1	TALTAL-1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	
20:47	-	TALTAL-2	TALTAL-2_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	
20:47	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	MT
21:13	-	CHUYACA	CHUYACA_DIESEL	PC	N	-	PC	-	OT	-	-	-	-	STS	-	PC
21:23	-	TALTAL-1	TALTAL-1_GNL_A	PC	N	LC	PC	PCP	OM	-	-	-	-	ENEL GENERACION	-	
21:23	-	TALTAL-2	TALTAL-2_GNL_A	PC	N	LC	PC	PCP	OM	-	-	-	-	ENEL GENERACION	-	
21:25	-	ANDES-2	ANDES-2_DIESEL	PO	-	EP	-	EP	-	-	-	-	SI2021004897	ANDES	-	
21:28	-	ANDES-1	ANDES-1_DIESEL	PO	-	EP	-	EP	-	-	-	-	SI2021004896	ANDES	-	
21:30	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	200	N	LC	CI	-	OM	-	-	-	-	ENEL GENERACION	-	
21:40	-	CANUTILLAR-1	CANUTILLAR	0	DN	-	FS	-	OM	-	Ctx Lt 220 kv Cautin - Cruellos	N	-	COLBUN	-	
21:43	-	CHUYACA	CHUYACA_DIESEL	MT	N	-	PS	-	OT	-	-	-	-	STS	-	
21:50	-	ANGOSTURA-2	RALCO_sinv	-	DN	-	PP	-	RE	-	-	-	-	COLBUN	-	
21:55	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	COLBUN	-	MT
21:57	-	TRAPEN	TRAPEN_DIESEL	20	LF	LC	CI	PCP	OT	-	Ctx Lt 220 kv Cautin - Cruellos	-	-	ENLASA	-	
22:00	-	RALCO-2	RALCO_sinv	0	DN	-	FS</									

23-01-2021	Ultima Actualización:	23-01-2021	23:59	CMG-Online:	72,9	Quilota_220 kv:	SANISIDRO-2_TG1+TV1_FSTV U_GNL_A				DOCUMENTO 5				SS.CC.	
Hora Movi.	Equipo /		Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de	SSCC	BASEPOINT
	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control	Activo	
22:26	-	BALCO-1	BALCO sinv	200	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION	-	-
22:26	-	ANDES-1	ANDES-1_DIESEL	DN	-	FS	-	OM	-	-	-	-	-	ANDES	-	-
22:27	-	ANDES-2	ANDES-2_DIESEL	DN	-	FS	-	OM	-	-	-	-	-	ANDES	-	-
22:34	-	TALTAL-2	TALTAL-2_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	-
22:55	-	TRAPEN	TRAPEN_DIESEL	MT	LF	LC	PS	PCP	OT	-	Ctx Lt 220 KV Cautin - Cruellos	-	-	ENLASA	-	-
22:56	-	CALLECALLE	CALLECALLE_DIESEL	MT	N	-	PS	-	OM	-	Ctx Lt 220 KV Cautin - Cruellos	-	-	STS	-	-
22:57	-	TALTAL-1	TALTAL-1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION	-	-
22:58	-	TRAPEN	TRAPEN_DIESEL	0	DN	LC	FS	PCP	OT	-	Ctx Lt 220 KV Cautin - Cruellos	-	-	ENLASA	-	-
22:58	-	CALLECALLE	CALLECALLE_DIESEL	0	DN	-	FS	-	OM	-	Ctx Lt 220 KV Cautin - Cruellos	-	-	STS	-	-
23:10	-	TALTAL-1	TALTAL-1_GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:11	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:19	-	TALTAL-1	TALTAL-1_GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:22	-	SANISIDRO-1	SANISIDRO-1_TG1_GNL_A	0	DN	LC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:28	-	CIPRESES-1	CIPRESES sinv	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
23:28	-	CIPRESES-2	CIPRESES sinv	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
23:28	-	CIPRESES-3	CIPRESES sinv	MT	N	-	MT	-	OT	-	-	N	-	ENEL GENERACION	-	MT
23:28	-	LAUTARO-1	LAUTARO-1_BL1_COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	MT
23:28	-	LAUTARO-2	LAUTARO-2_BL1_COGEN	PC	N	-	PC	-	OM	-	-	-	-	COMASA	-	PC
23:28	-	LAJAVE-1	LAJAVE-1_COGEN	MT	N	-	MT	-	OM	-	-	-	-	AES GENER	-	MT
23:28	-	TALTAL-2	TALTAL-2_GNL_A	MT	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:28	-	KELAR-TG12	KELAR-TG12_TG1+TG2-TV1_GNL_A	MT	LF	LC	MT	PCP	OM	-	-	-	IL 2021000085	KELAR	-	-
23:28	-	TOCOPILLA-TG3	TOCOPILLA-TG3_GNL_A	MT	LF	LC	MT	PCP	OM	-	-	-	IL202000003 0	ENGIE	-	-
23:28	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2020002449	ENGIE	-	-
23:37	-	TALTAL-2	TALTAL-2_GNL_A	0	DN	DLC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	-
23:59	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG horario	-	-	-	CDC	-	-
23:59	-	-	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-	-	-

INFORME DIARIO

Sábado 23 de Enero del 2021



DESVIACIONES DE LA PROGRAMACION

1.1. Centrales

Centrales	Prog.	Real	Desv %	Estado
ATACAMA SOLAR S.A.	-	0.0	-	
Abanico	706.5	702.6	-0.55 %	
Aguas Blancas Diésel	0.0	0.0	-	
Alfalfal	3088.8	3229.3	+4.55 %	
Alto Renaico	19.8	19.2	-2.98 %	PMG
Ancoa	579.6	570.1	-1.64 %	
Andes Diésel	0.0	0.0	-	
Andes FO6	15.0	0.0	-100.00 %	
Andina-CTA	0.0	0.0	-	IF, IL
Angamos-ANG1	6603.8	6535.6	-1.03 %	
Angamos-ANG2	5722.9	5716.5	-0.11 %	IL
Angostura	1370.5	1385.0	+1.06 %	IL
Antilhue	0.0	0.0	-	
Antuco	4271.8	3882.6	-9.11 %	IL
Arauco	24.0	2.9	-87.83 %	
Arica-GMAR	0.0	0.0	-	
Arica-M1AR	0.0	0.0	-	
Arica-M2AR	0.0	0.0	-	
Atacama-1 Diésel	0.0	0.0	-	
Atacama-1 GNL	1280.5	1292.1	+0.90 %	
Atacama-2 Diésel	0.0	0.0	-	
Atacama-2 GNL	1226.9	1245.0	+1.48 %	
Bess Andes	-	8.6	GNP	
Bess Angamos	-	7.8	GNP	
Bess Cochrane	-	0.4	GNP	
Blanco	695.0	1015.2	+46.07 %	
Bocamina	0.0	0.0	-	
Bocamina 2	7007.5	7547.0	+7.70 %	
CMPC Cordillera	0.0	58.0	GNP	
CMPC Laja	0.0	0.0	-	PMM
CMPC Pacífico	264.0	167.7	-36.48 %	PMM
CMPC Santa Fe	98.4	0.0	-100.00 %	PMM
CMPC Tissue	-	29.7	-	PMG
Callao	9.7	7.4	-23.73 %	PMG
Calle Calle	0.0	80.2	GNP	SDCF
Campiche	0.0	0.0	-	PMM
Candelaria 1 Diésel	0.0	11.0	GNP	
Candelaria 1 GNL	0.0	0.0	-	
Candelaria 1 Gas Arg	0.0	0.0	-	
Candelaria 2 Diésel	0.0	0.0	-	
Candelaria 2 GNL	0.0	0.0	-	
Candelaria 2 Gas Arg	0.0	0.0	-	

Centrales	Prog.	Real	Desv %	Estado
Mantos Blancos-MIMB	0.0	0.0	-	
Mariposas	55.2	58.5	+5.98 %	PMG
Masisa	140.2	144.2	+2.85 %	IL
Maule	0.0	0.0	-	
Mejillones IEM	8389.0	8290.0	-1.18 %	IL
Mejillones-CTM1	1992.4	1443.2	-27.56 %	IF
Mejillones-CTM1 Fuel Oil	-	0.0	-	
Mejillones-CTM2	0.0	0.0	-	IL, SDCF
Mejillones-CTM3 Diésel	0.0	0.0	-	
Mejillones-CTM3 GNL	1875.9	2494.9	+33.00 %	IL
Mejillones-CTM3 Gas Arg	0.0	-	-	
Mejillones-PAM	528.0	518.0	-1.89 %	IL
Mocho	191.5	175.1	-8.56 %	
NEGRETE	-	0.0	-	
Nalcas	59.1	58.5	-1.02 %	PMG
Nehuencho 1 Diésel	0.0	0.0	-	
Nehuencho 1 GNL	0.0	0.0	-	
Nehuencho 1 Gas Arg	0.0	0.0	-	
Nehuencho 2 Diésel	0.0	0.0	-	IL
Nehuencho 2 GNL	0.0	0.0	-	PMM
Nehuencho 2 Gas Arg	0.0	0.0	-	
Nehuencho 9B Diésel	0.0	0.0	-	
Nehuencho 9B GNL	0.0	0.0	-	
Nehuencho 9B Gas Arg	0.0	0.0	-	
Newen Diésel	0.0	0.0	-	IF
Newen Gas	0.0	0.0	-	IF
Newen Gas Arg	0.0	0.0	-	IF
Newen Propano	0.0	-	-	
Norgener-NT01	2567.6	2632.3	+2.52 %	IL
Norgener-NT02	2562.9	2745.8	+7.14 %	IL
Norgener-NT02 Fuel Oil	-	0.0	-	
Nueva Aldea 1	72.0	37.1	-48.49 %	IL
Nueva Aldea 2	0.0	0.0	-	
Nueva Aldea 3	600.0	548.9	-8.52 %	IL
Nueva Renca Diésel	0.0	55.0	GNP	
Nueva Renca GNL	0.0	0.0	-	
Nueva Renca Gas Arg	0.0	0.0	-	
Nueva Ventanas	5582.2	5969.0	+6.93 %	
Ojos de Agua	120.3	146.2	+21.45 %	PMG
Olivos	0.0	0.0	-	
PFV AZABACHE	-	0.0	-	
PFV EL SALITRAL	28.3	30.7	+8.37 %	

Centrales	Prog.	Real	Desv %	Estado
Candelaria Solar	24.5	23.8	-3.22 %	
Canutillar	1382.0	1356.0	-1.88 %	
Capullo	111.8	129.0	+15.38 %	
Cardones	0.0	0.0	-	
Carena	156.0	151.4	-2.95 %	PMG
Carilafquén	227.0	267.7	+17.93 %	
Celco	120.0	167.5	+39.57 %	
Cementos Bío Bío	0.0	0.0	-	
Cenizas	0.0	0.0	-	IF
Chacabucuito	397.2	430.6	+8.41 %	
Chacayes	2176.8	2424.0	+11.35 %	
Chapiquiña	83.5	107.9	+29.22 %	
Chiburgo	359.0	358.0	-0.28 %	PMG
Chiloé	0.0	0.0	-	PMG
Cholguán	161.0	133.9	-16.86 %	
Cholguán IFO	-	0.0	-	
Chuyaca	0.0	0.0	-	IL
Cipreses	726.5	870.2	+19.78 %	IL
Cipresillos	-	0.0	-	PMG
Cochrane-CCH1	5570.4	5994.3	+7.61 %	
Cochrane-CCH2	5243.9	5501.7	+4.92 %	
Cogen. Aconcagua	631.0	41.2	-93.48 %	IL
Cogen. Biobío	492.0	1222.0	+148.37 %	
Colbún	2140.9	2050.0	-4.24 %	
Colihues Diésel	-	0.0	-	
Colihues HFO	0.0	0.0	-	
Colmito Diésel	0.0	0.0	-	
Colmito GNL	0.0	0.0	-	
Concón	0.0	0.0	-	PMG
Constitución	0.0	0.0	-	PMG
Convento Viejo	120.0	123.2	+2.68 %	
Coronel Diésel	0.0	0.0	-	SDCF
Coronel GNL	0.0	0.0	-	
Coronel Gas Arg	0.0	0.0	-	
Coya	0.0	0.0	-	
Cumbres	204.0	199.0	-2.46 %	
Curillinque	1309.8	1310.8	+0.07 %	IL
Degañ	0.0	0.0	-	IL
Degañ 2	0.0	0.0	-	IL
Deuco	-	0.0	-	
Diego de Almagro	0.0	0.0	-	
Digua	-	269.2	GNP	
Don Jorge	4.4	4.0	-9.89 %	
Dos Valles	0.0	0.0	-	PMG, IF
El Paso	660.0	783.1	+18.65 %	
El Peñón	0.0	0.0	-	
El Pinar	-	0.0	-	
El Rincón	5.8	5.8	-	PMG
El Salvador	0.0	0.0	-	
El Toro	7341.9	7307.8	-0.47 %	IL
El Totoral	0.0	0.0	-	PMG

Centrales	Prog.	Real	Desv %	Estado
PFV PLAYERITO	31.7	30.4	-4.37 %	
PFV PLAYERO	31.7	29.8	-5.92 %	
PFV RÍO ESCONDIDO	-	0.0	-	
Pajonales	0.0	0.0	-	
Palacios	34.7	30.0	-13.72 %	PMG
Palmucho	604.0	599.3	-0.78 %	
Pangue	2016.7	2724.7	+35.11 %	IL
Pehuenche	2160.7	2251.4	+4.19 %	
Peuchén	450.5	401.1	-10.96 %	
Pilmaiquén	307.1	474.1	+54.38 %	IL
Placilla	0.0	0.0	-	PMG
Planta Valdivia	360.0	220.0	-38.89 %	IL
Providencia	31.2	33.3	+6.73 %	
Puente Solar	27.5	25.8	-6.02 %	
Pulelfu	103.7	106.9	+3.09 %	PMG
Pullinque	302.3	273.2	-9.61 %	
Punta Colorada Diésel	0.0	0.0	-	IF
Punta Colorada IFO	260.8	0.0	-100.00 %	
Puntilla	394.0	396.3	+0.58 %	
Queltehues	873.0	821.9	-5.86 %	
Quilleco	791.7	628.0	-20.68 %	
Quintay	0.0	0.0	-	PMG
Quintero 1A Diésel	0.0	0.0	-	IL
Quintero 1A GNL	0.0	0.0	-	
Quintero 1A Gas Arg	0.0	0.0	-	
Quintero 1B Diésel	0.0	0.0	-	IL
Quintero 1B GNL	0.0	0.0	-	
Quintero 1B Gas Arg	0.0	0.0	-	
Ralco	3118.4	2804.0	-10.08 %	IL
Rapel	0.0	0.0	-	
Rauquén	87.3	89.0	+1.93 %	
Renaico	78.9	97.8	+23.90 %	PMG
Renca	0.0	0.0	-	IL
Rinconada	83.3	81.3	-2.46 %	
Rucatayo	482.0	508.1	+5.42 %	
Rucúe	1842.6	1540.0	-16.42 %	
Río Colorado	120.0	130.2	+8.50 %	
Río Huasco	45.5	38.9	-14.56 %	
Río Picoquén	52.8	48.5	-8.18 %	
SF Energía	1176.5	834.3	-29.09 %	
San Andrés	960.0	1015.2	+5.75 %	
San Clemente	96.0	94.1	-1.98 %	PMG
San Gregorio	0.0	0.0	-	PMG
San Ignacio	0.0	0.0	-	
San Isidro 1 Diésel	0.0	0.0	-	IL
San Isidro 1 GNL	2126.5	2652.0	+24.71 %	
San Isidro 1 Gas Arg	0.0	0.0	-	
San Isidro 2 Diésel	0.0	0.0	-	IL
San Isidro 2 GNL	6693.6	6728.0	+0.51 %	
San Isidro 2 Gas Arg	0.0	0.0	-	
San Lorenzo 1	0.0	0.0	-	

Centrales	Prog.	Real	Desv %	Estado
Emelda 1	0.0	0.0	-	
Emelda 2	0.0	0.0	-	
Enaex-CUMMINS	0.0	0.0	-	
Enaex-DEUTZ	0.0	0.0	-	
Energía Pacífico	384.0	348.8	-9.17 %	IL
Escuadrón	43.2	0.0	-100.00 %	SDCF
Esperanza-DS1	0.0	0.0	-	
Esperanza-DS2	0.0	0.0	-	
Esperanza-TG1	0.0	0.0	-	
Espinos	0.0	0.0	-	
Eólica Aurora	817.7	393.7	-51.85 %	
Eólica Cabo Leones 1	92.4	105.5	+14.15 %	
Eólica Cabo Leones 2	310.9	75.6	-75.69 %	
Eólica Cabo Leones 3	113.3	41.3	-63.56 %	
Eólica Canela	13.0	10.6	-18.72 %	
Eólica Canela 2	20.1	46.6	+131.69 %	
Eólica Cuel	570.8	478.9	-16.09 %	
Eólica El Arrayán	77.2	91.0	+17.95 %	
Eólica El Maitén	162.5	101.2	-37.71 %	
Eólica La Esperanza	185.8	187.3	+0.79 %	PMG
Eólica La Estrella	-	0.0	-	
Eólica La Flor	685.6	647.7	-5.53 %	
Eólica Lebu	84.6	79.1	-6.50 %	PMG
Eólica Los Buenos Aires	497.6	448.4	-9.89 %	
Eólica Los Cururos	97.5	204.6	+109.89 %	
Eólica Monte Redondo	39.6	91.0	+129.64 %	
Eólica Punta Colorada	43.9	64.3	+46.47 %	IF
Eólica Punta Palmeras	30.2	41.4	+37.10 %	
Eólica Punta Sierra	68.2	214.9	+215.09 %	
Eólica Renaico	1764.2	1760.6	-0.20 %	
Eólica San Gabriel	2903.6	2129.4	-26.66 %	IL
Eólica San Juan	121.5	81.8	-32.67 %	
Eólica San Pedro	50.2	16.0	-68.11 %	
Eólica San Pedro 2	0.0	0.0	-	IF
Eólica Sarco	53.4	85.7	+60.61 %	
Eólica Sierra Gorda	646.0	694.6	+7.53 %	
Eólica Talinay Oriente	180.5	279.5	+54.88 %	
Eólica Talinay Poniente	86.1	206.1	+139.38 %	
Eólica Taltal	530.1	206.1	-61.13 %	
Eólica Tolpán Sur	1690.6	1493.3	-11.67 %	
Eólica Totoral	11.2	33.4	+199.02 %	IL
Eólica Ucuquer 2	18.9	27.3	+44.29 %	
Eólica Valle de los Vientos	544.0	638.5	+17.36 %	
Florida	257.2	351.1	+36.51 %	
Geo. Cerro Pabellón	648.0	737.1	+13.75 %	
Guacolda 1	2965.0	2975.0	+0.34 %	IL
Guacolda 2	2400.0	2525.0	+5.21 %	IL
Guacolda 3	3453.6	3458.0	+0.13 %	
Guacolda 4	3351.1	3281.0	-2.09 %	
Guacolda 5	2885.1	2857.0	-0.97 %	IL

Centrales	Prog.	Real	Desv %	Estado
San Lorenzo 2	0.0	0.0	-	
San Lorenzo 3	0.0	0.0	-	
Santa Fe	87.1	82.8	-5.01 %	
Santa Lidia	0.0	0.0	-	
Santa Marta	240.0	131.1	-45.38 %	
Santa María	8880.0	8778.0	-1.15 %	
Sauzal	1228.8	1703.0	+38.59 %	IL
Sauzal 60 Hz	-	0.0	-	
Sauzalito	288.0	264.0	-8.33 %	IL
Solar Aguila 1	15.5	16.7	+7.78 %	
Solar Almeyda	578.9	556.8	-3.82 %	
Solar Andes	199.5	142.9	-28.37 %	
Solar Andes 2A	410.3	365.1	-11.02 %	IL
Solar Antay	76.7	75.8	-1.23 %	PMG
Solar Atacama 2	-	0.0	-	
Solar Carrera Pinto	754.2	815.8	+8.16 %	
Solar Cerro Dominador	988.1	885.3	-10.41 %	
Solar Chañares	331.0	327.1	-1.18 %	
Solar Diego de Almagro	227.8	233.8	+2.65 %	
Solar Doña Carmen	205.9	219.0	+6.35 %	
Solar El Pelicano	1007.4	1032.9	+2.53 %	
Solar El Pilar - Los Amarillos	0.0	0.0	-	PMG
Solar El Romero	1542.7	1540.5	-0.15 %	
Solar FV Bolero	1296.9	1174.9	-9.41 %	
Solar Finis Terrae	1002.2	736.4	-26.52 %	
Solar GPG San Pedro	612.0	598.0	-2.29 %	
Solar Huatacondo	758.8	688.0	-9.33 %	
Solar Jama	462.8	370.4	-19.96 %	
Solar Javiera	623.5	622.6	-0.14 %	
Solar La Huayca 2	158.4	350.0	+120.95 %	
Solar La Silla	14.1	14.6	+3.76 %	
Solar Lalackama	505.6	487.5	-3.57 %	
Solar Lalackama 2	132.6	153.6	+15.82 %	
Solar Llano de Llampos	898.3	888.8	-1.05 %	
Solar Loma Los Colorados	11.8	6.0	-49.01 %	PMG
Solar Los Loros	290.4	294.3	+1.35 %	SDCF
Solar Los Tilos	37.7	32.4	-13.99 %	
Solar Luz del Norte	1396.8	1357.7	-2.79 %	
Solar María Elena	595.3	419.9	-29.47 %	
Solar Nuevo Quillagua	642.8	796.0	+23.83 %	
Solar PFV Granja Solar	1157.0	915.5	-20.87 %	
Solar PV Conejo	1109.5	1040.9	-6.19 %	
Solar PV Salvador	592.1	572.5	-3.30 %	
Solar Pampa Camarones	54.2	61.2	+12.90 %	
Solar Pampa Solar Norte	700.8	658.3	-6.06 %	
Solar Piloto Cardones	1.9	1.8	-3.76 %	PMG
Solar Pozo Almonte 2	64.9	67.2	+3.53 %	
Solar Pozo Almonte 3	158.3	141.2	-10.79 %	
Solar Puerto Seco	72.8	73.1	+0.46 %	PMG
Solar Quilapilún	949.1	994.1	+4.74 %	

Centrales	Prog.	Real	Desv %	Estado
Guayacán	239.1	249.5	+4.35 %	
HP EL ATAJO	23.0	21.9	-4.60 %	
Hidroeléctrica Chilco	-	0.0	-	
Horcones Diésel	0.0	0.0	-	
Horcones TG	-	0.0	-	
Hornitos	716.0	1044.7	+45.91 %	
Hornitos-CTH	2876.2	2963.2	+3.03 %	IL
Huasco	0.0	0.0	-	
Huasco TG IFO	0.0	-	-	
Inacal	0.0	0.0	-	IF, IL
Isla	1244.8	1111.5	-10.71 %	
Itata	0.0	0.0	-	IL
Juncal	452.0	565.8	+25.18 %	
Kelar Diésel	0.0	0.0	-	
Kelar GNL	4670.8	5314.6	+13.78 %	IL
La Confluencia	2290.0	2440.6	+6.58 %	
La Higuera	2750.0	2912.2	+5.90 %	
La Mina	279.0	207.6	-25.59 %	
La Portada-TECNET	0.0	0.0	-	
Laguna Verde TG	0.0	0.0	-	IF
Laguna Verde TV	0.0	0.0	-	
Laja 1	0.0	0.0	-	
Laja Energía Verde	186.1	83.0	-55.40 %	IL
Las Vegas	0.0	0.0	-	PMG
Lautaro 1	576.1	603.9	+4.82 %	IL
Lautaro 2	387.4	470.0	+21.33 %	IL
Lebu	-	0.0	-	PMG
Licantén	106.6	72.8	-31.74 %	IL
Licán	142.0	132.9	-6.42 %	
Linares Norte	0.0	0.0	-	PMG
Lircay	420.0	427.2	+1.71 %	
Llauquereo	1.4	0.0	-100.00 %	PMG
Loma Alta	572.8	536.8	-6.29 %	
Loma Los Colorados 1	0.0	0.0	-	PMG, IF
Loma Los Colorados 2	336.0	273.7	-18.54 %	
Los Condores	-	3.7	GNP	
Los Guindos TG1 Diésel	0.0	0.0	-	
Los Guindos TG2 Diésel	0.0	0.0	-	
Los Hierros	72.0	79.5	+10.40 %	
Los Hierros 2	24.0	14.3	-40.25 %	
Los Molles	33.0	37.0	+11.95 %	
Los Pinos	0.0	100.0	GNP	
Los Quilos	630.0	695.5	+10.40 %	
Los Vientos	0.0	0.0	-	
MALLECO FASE 1	-	0.0	-	
Machicura	528.0	528.0	-	IL
Maitenes	283.0	273.3	-3.44 %	IL, IF
Malalcahuello	0.0	0.0	-	SDCF
Mampil	252.2	246.5	-2.27 %	

Centrales	Prog.	Real	Desv %	Estado
Solar SDGx01	7.3	6.8	-7.12 %	PMG
Solar San Andrés	429.3	422.7	-1.54 %	
Solar Santiago	646.7	619.7	-4.18 %	
Solar Uribe	541.5	465.0	-14.13 %	
Solar Usya	433.3	341.8	-21.11 %	
Taltal 1 Diésel	0.0	0.0	-	
Taltal 1 GNL	0.0	257.0	GNP	
Taltal 2 Diésel	0.0	0.0	-	
Taltal 2 GNL	0.0	1103.0	(*)GNP	
Tamaya-Suta	0.0	0.0	-	
Tarapacá-CTTAR	0.0	0.0	-	
Tarapacá-CTTAR Fuel Oil	-	0.0	-	
Tarapacá-TGTAR	0.0	0.0	-	
Teno	0.0	0.0	-	
Teno Gas 50	0.0	0.0	-	
Termopacífico	0.0	0.0	-	
Tocopilla-TG1	0.0	0.0	-	
Tocopilla-TG2	0.0	0.0	-	
Tocopilla-TG3 Diésel	0.0	0.0	-	
Tocopilla-TG3 GNL	0.0	372.3	GNP	IL
Tocopilla-U14	0.0	0.0	-	IL
Tocopilla-U14 Fuel Oil	-	0.0	-	
Tocopilla-U15	1786.5	1949.5	+9.13 %	IL
Tocopilla-U15 Fuel Oil	-	0.0	-	
Tocopilla-U16 Diésel	0.0	0.0	-	
Tocopilla-U16 GNL	1364.7	1594.7	+16.86 %	IL
Tocopilla-U16 Gas Arg	0.0	-	-	
Trapén	538.5	706.2	+31.16 %	IL
Trincao	191.4	343.8	+79.66 %	IL
Trongol	-	0.0	-	PMG
Ujina-1	0.0	0.0	-	
Ujina-2	0.0	0.0	-	
Ujina-3	0.0	0.0	-	
Ujina-4	0.0	0.0	-	
Ujina-5	0.0	0.0	-	
Ujina-6	0.0	0.0	-	
Ventanas 1	0.0	0.0	-	
Ventanas 2	3226.4	3310.0	+2.59 %	IL
Villa Alegre	0.0	0.0	-	
Viñales	528.0	698.5	+32.28 %	
Volcán	241.0	245.1	+1.71 %	
Yungay 1 Diésel	0.0	0.0	-	
Yungay 1 GNL	0.0	0.0	-	
Yungay 2 Diésel	0.0	0.0	-	
Yungay 2 GNL	0.0	0.0	-	
Yungay 3 Diésel	0.0	0.0	-	
Yungay 3 GNL	0.0	0.0	-	
Yungay 4	0.0	0.0	-	
Total	203430.0	207841.9	+2.17 %	

1.2. PMGD

Centrales	Prog.	Real	Desv %
Agni	-	0.0	-
Alerce	-	0.0	-
Alicahue	20.4	20.2	-1.34 %
Allipén	64.1	64.1	+0.03 %
Almendrado	-	13.7	-
Ancalí	-	0.0	-
Argomedo	71.9	81.0	+12.60 %
Aromos	-	0.0	-
Arrayán	-	0.0	-
Auxiliar del Maipo	103.0	109.0	+5.85 %
Bellavista 1	99.2	85.7	-13.59 %
Biocruz	-	1.7	-
Biomar	-	0.0	-
Bluegate	-	0.0	-
Boldos	-	0.0	-
Boquiamargo	0.0	0.0	-
Bureo	2.5	1.9	-23.42 %
Calafate	-	0.0	-
Calfuco	-	0.0	-
Caliboro	24.3	24.4	+0.60 %
Campesina	-	0.0	-
Casablanca 1	-	0.0	-
Casablanca 2	-	0.0	-
Cavanha	42.2	0.0	-100.00 %
Cañete	-	0.0	-
Chacabuco	83.3	89.5	+7.38 %
Chanleufu	3.7	3.8	+3.33 %
Chifin	-	0.0	-
Chile Generación	-	0.0	-
Chorrillos	-	0.0	-
Chufkén (Traiguén)	-	0.0	-
Ciruelillo	-	1.3	-
Cocharcas	28.1	25.2	-10.19 %
Collil	30.3	9.9	-67.24 %
Conchali	-	0.0	-
Contra	-	0.0	-
Contulmo	-	0.0	-
Copiulemu	-	9.6	-
Correntoso	29.2	18.3	-37.41 %
Cortés	-	0.0	-
Cosapilla	7.8	8.2	+5.84 %
Curacautín	-	2.0	-
Curauma	-	0.0	-
Curileufu	-	0.0	-
Danisco	-	0.0	-
Darlin	11.8	10.8	-8.05 %
Don Walterio	54.5	47.5	-12.89 %
Dongo	14.0	7.8	-44.19 %
Donguil	0.7	0.0	-100.00 %

Centrales	Prog.	Real	Desv %
Solar Altos de Til Til	14.8	14.0	-5.69 %
Solar Altos del Paico	0.0	-	-
Solar Alturas de Ovalle	44.2	41.8	-5.41 %
Solar Amparo del Sol	16.7	25.3	+51.38 %
Solar Antonia	25.7	25.7	+0.10 %
Solar Ariztía	18.2	18.8	+3.07 %
Solar Bellavista	19.6	15.9	-19.18 %
Solar Cabilsol	26.6	17.3	-34.95 %
Solar Cachiyuyo 2	32.7	93.4	+185.43 %
Solar Calama 1	78.7	66.1	-16.05 %
Solar Calle Larga	25.8	30.0	+16.13 %
Solar Canesa 1	0.0	0.0	-52.26 %
Solar Casuto	21.2	23.1	+8.83 %
Solar Catemu	16.7	15.1	-9.26 %
Solar Catán	29.1	25.7	-11.51 %
Solar Cernicalo 1	16.3	16.8	+2.64 %
Solar Cernicalo 2	16.3	15.5	-4.96 %
Solar Chalinga	27.8	27.5	-0.95 %
Solar Chancon	26.6	23.7	-10.97 %
Solar Chimbarongo	26.7	23.1	-13.59 %
Solar Chuchiñi	21.2	17.3	-18.32 %
Solar Citrino	23.8	21.7	-8.82 %
Solar Cordillerilla	12.7	0.0	-100.00 %
Solar Covadonga	84.3	92.1	+9.25 %
Solar Crucero	25.3	15.6	-38.53 %
Solar Cruz	26.7	24.8	-6.94 %
Solar Cuz Cuz	22.1	18.0	-18.40 %
Solar Don Eugenio	28.9	16.0	-44.65 %
Solar Don Mariano	25.1	24.5	-2.25 %
Solar Eclipse	32.0	44.5	+39.02 %
Solar El Boco	25.8	18.9	-26.82 %
Solar El Chincol	32.4	30.6	-5.58 %
Solar El Chucao	28.7	27.0	-5.91 %
Solar El Divisadero	19.6	22.1	+12.72 %
Solar El Estero	16.1	11.6	-27.87 %
Solar El Laurel	60.1	52.2	-13.19 %
Solar El Picurio	29.8	29.6	-0.69 %
Solar El Pilpen	31.3	26.0	-17.07 %
Solar El Pitio	32.3	28.9	-10.57 %
Solar El Queltehue	31.5	-	-
Solar El Quemado	29.8	25.1	-15.70 %
Solar El Queule	47.4	34.0	-28.26 %
Solar El Roble	27.2	50.1	+84.05 %
Solar El Sauce	27.2	14.7	-46.01 %
Solar Encon	64.9	68.9	+6.21 %
Solar Esperanza	25.2	0.0	-100.00 %
Solar Filomena	17.3	24.1	+39.07 %
Solar Fotovolt	0.0	0.0	-
Solar Francisco	-	0.0	-

Centrales	Prog.	Real	Desv %
Doña Hilda	7.2	6.9	-3.99 %
Doña Javiera	-	2.9	-
Doñihue	79.8	62.5	-21.71 %
Eagon	-	0.0	-
El Agrio	6.7	3.0	-54.49 %
El Arrayán	-	8.9	-
El Campesino 1	-	5.2	-
El Canelo	42.0	41.3	-1.54 %
El Canelo 1	-	0.0	-
El Colorado	11.0	8.9	-19.09 %
El Condor	11.2	11.2	-0.37 %
El Diuto	61.2	59.0	-3.51 %
El Faro	-	0.0	-
El Litre	91.9	92.8	+0.99 %
El Llano	7.3	14.1	+93.22 %
El Manzano	59.5	63.9	+7.51 %
El Mirador	2.8	3.4	+18.09 %
El Molle	-	0.0	-
El Nogal	-	0.1	-
El Queltehue	-	25.6	-
El Resplandor	29.2	25.9	-11.10 %
El Tártaro	0.0	0.0	-
Energía León	-	66.2	-
Ensenada	0.0	0.0	-
Ermitaño	-	0.0	-
Estancilla	-	0.0	-
Estandartes	-	0.0	-
Eyzaguirre	19.0	18.8	-1.17 %
Eólica El Arbol	171.4	80.7	-52.93 %
Eólica Huajache	78.1	100.6	+28.76 %
Eólica Las Peñas	104.1	165.7	+59.10 %
Eólica Lebu 3	68.3	0.0	-100.00 %
Eólica Raki	117.1	173.3	+47.93 %
Eólica Ucuquer	12.9	37.4	+189.85 %
Eólico El Nogal	140.4	164.1	+16.93 %
Galpón	10.0	9.4	-6.46 %
Gami	-	0.0	-
Granada	83.6	78.1	-6.54 %
Guanaco Solar	28.1	25.6	-9.01 %
HBS	-	1.4	-
HBS-GNL	-	1.0	-
Hidrobonito MC1	49.1	45.4	-7.56 %
Hidrobonito MC2	29.8	27.3	-8.33 %
Hidroeléctrica Cumpeo	50.2	49.5	-1.40 %
JCE	-	0.0	-
Juncalito	12.6	21.4	+69.84 %
La Arena	0.0	0.0	-
La Bifurcada	4.7	4.5	-5.59 %
La Compañía 2	31.7	31.9	+0.78 %
La Ligua	14.8	17.5	+17.79 %
La Montaña 1	0.0	0.0	-

Centrales	Prog.	Real	Desv %
Solar GR Lemu	55.1	52.6	-4.49 %
Solar GR Pepa	20.2	18.7	-7.21 %
Solar GR Santa Rosa	79.3	63.9	-19.35 %
Solar Girasoles	23.9	22.5	-5.81 %
Solar Guadalao	27.9	18.6	-33.18 %
Solar Homero	31.2	-	-
Solar Hormiga	15.6	15.7	+0.84 %
Solar Hornitos	2.1	0.4	-79.53 %
Solar Illapel 5X	29.8	26.0	-12.60 %
Solar Jahuel	48.4	53.8	+11.30 %
Solar Jaururo	15.8	18.9	+19.90 %
Solar José Soler Mallafré	14.3	14.3	-0.25 %
Solar Konda	20.8	24.2	+16.40 %
Solar La Acacia	89.7	62.3	-30.58 %
Solar La Blanquina	82.9	80.1	-3.36 %
Solar La Chapeana	20.6	22.6	+9.72 %
Solar La Chimba Bis	22.6	22.2	-2.00 %
Solar La Esperanza 2	80.2	57.0	-28.94 %
Solar La Estancia	27.5	26.6	-3.18 %
Solar La Frontera	42.8	22.4	-47.53 %
Solar La Lajuela	76.6	64.7	-15.58 %
Solar La Manga	26.4	8.8	-66.55 %
Solar La Quinta	28.9	25.2	-12.84 %
Solar Lagunilla	21.8	26.1	+19.57 %
Solar Las Araucarias	0.0	0.0	-
Solar Las Codornices	32.7	31.3	-4.05 %
Solar Las Mercedes 1	26.9	26.1	-2.78 %
Solar Las Mollacas	20.6	15.9	-22.69 %
Solar Las Palomas	33.5	29.6	-11.70 %
Solar Las Perdices	25.8	23.4	-9.39 %
Solar Las Rojas	22.5	21.2	-5.49 %
Solar Las Terrazas	25.2	0.0	-100.00 %
Solar Las Torcazas	-	0.0	-
Solar Las Turcas	31.0	22.9	-26.02 %
Solar Lipangue	0.0	14.1	+2975836.40 %
Solar Llanos de Potroso	0.0	60.5	-
Solar Lo Miranda	60.1	54.6	-9.23 %
Solar Lo Sierra	14.9	13.0	-12.49 %
Solar Loreto	24.6	25.4	+3.63 %
Solar Los Gorrones	32.7	28.6	-12.29 %
Solar Los Libertadores	69.8	34.3	-50.89 %
Solar Los Paltos	19.4	19.5	+0.38 %
Solar Los Patos	32.0	28.2	-12.02 %
Solar Los Puquios	21.9	0.0	-100.00 %
Solar Luce	6.7	14.2	+111.05 %
Solar Luders	29.3	27.5	-6.23 %
Solar Luna	14.0	10.4	-25.76 %
Solar Luna del Norte	20.5	18.2	-11.03 %
Solar Malaquita 2	97.7	32.7	-66.50 %
Solar Marchigue 2	80.2	60.6	-24.43 %
Solar Marchigue 7	27.1	16.6	-38.65 %

Centrales	Prog.	Real	Desv %
La Montaña 2	0.0	0.0	-
La Paloma	27.9	7.0	-74.80 %
La Viña - Alto la Viña	12.2	11.4	-6.61 %
Las Chacras	23.9	16.3	-31.90 %
Las Flores	9.4	7.5	-20.54 %
Las Lechuzas	32.4	29.4	-9.35 %
Las Pampas	-	0.0	-
Las Vertientes	30.2	30.0	-0.85 %
Lepanto	-	0.0	-
Lipigas Concón	-	0.1	-
Lirio del campo	1.2	1.1	-10.27 %
Lonquimay	-	0.0	-
Los Bajos	125.4	128.1	+2.17 %
Los Colonos	-	0.0	-
Los Corrales	4.0	3.0	-23.66 %
Los Corrales 2	0.0	0.0	-
Los Morros	37.1	45.5	+22.59 %
Los Negros	-	0.0	-
Los Padres	0.0	0.0	-
Los Perales	18.1	17.8	-1.25 %
Los Sauces	-	0.0	-
Los Álamos	-	0.0	-
Louisiana Pacific	-	0.0	-
Lousiana Pacific 2	-	0.0	-
MCH-Dosal	-	0.0	-
MSA-1	4.1	3.4	-18.37 %
Maisan	2.9	2.8	-3.73 %
Mallarauco	72.5	71.0	-2.04 %
María Elena	0.2	0.1	-76.34 %
María Pinto	16.3	14.4	-11.48 %
Melo	44.7	45.1	+0.79 %
Mimbre	-	0.0	-
Minihidro Alto Hospicio	21.4	22.3	+4.41 %
Minihidro El Toro	21.4	23.6	+10.37 %
Minihidro Santa Rosa	11.3	11.6	+2.99 %
Molinera Villarrica	1.0	0.9	-13.70 %
Monte Patria	-	0.0	-
Muchi	0.0	0.0	-100.00 %
Multiexport 1	-	0.0	-
Multiexport 2	-	0.0	-
Munilque 1	4.4	4.7	+7.27 %
Munilque 2	8.9	7.7	-14.27 %
Orafti	-	0.0	-
PFV CANELILLO	27.2	24.8	-8.94 %
PFV COCINILLAS	27.3	21.0	-23.16 %
PFV PITRA	12.7	19.6	+54.75 %
PFV SANTA INES	27.7	26.6	-3.98 %
Palmar	68.7	65.4	-4.76 %
Panguipulli	-	0.0	-
Pehui	4.6	4.2	-9.30 %

Centrales	Prog.	Real	Desv %
Solar Marin	26.2	27.6	+5.61 %
Solar Montt	28.2	25.8	-8.42 %
Solar Norte Chico 1	15.9	15.5	-2.32 %
Solar Ocoa	30.8	24.5	-20.41 %
Solar Olivillo	63.8	71.1	+11.39 %
Solar Ovejería	85.2	82.6	-3.06 %
Solar PFV Mostazal	94.6	77.4	-18.19 %
Solar PMGD Diego de Almagro	0.0	0.0	-
Solar PSF Lomas Coloradas	13.1	13.6	+3.80 %
Solar Pama	14.1	13.9	-1.29 %
Solar Panquehue 2	49.6	37.5	-24.33 %
Solar Paraguay	93.3	90.1	-3.49 %
Solar Parque Bicentenario	28.1	7.9	-71.86 %
Solar Pedreros	25.0	23.2	-7.45 %
Solar Peralillo	23.6	22.1	-6.29 %
Solar Pica	0.0	0.0	-
Solar Piquero	20.6	24.7	+20.38 %
Solar Pirque	26.3	26.3	-0.11 %
Solar Placilla	97.8	95.0	-2.82 %
Solar Población	27.2	15.6	-42.51 %
Solar Portezuelo	26.7	17.0	-36.50 %
Solar Pozo Almonte 1	0.0	0.0	-
Solar Pullalli	14.7	17.6	+19.58 %
Solar Punta Baja	19.8	20.1	+1.59 %
Solar Queltehue	27.4	26.5	-3.29 %
Solar RLA	9.8	13.5	+37.75 %
Solar Ranguil	18.8	16.9	-10.19 %
Solar Rodeo	23.7	22.6	-4.75 %
Solar Rovián	68.3	67.5	-1.29 %
Solar San Francisco	62.1	26.8	-56.89 %
Solar San Isidro	21.7	21.1	-2.94 %
Solar San Pedro	21.8	15.1	-30.93 %
Solar Santa Adriana	24.5	21.2	-13.39 %
Solar Santa Amelia	10.2	5.0	-50.76 %
Solar Santa Cecilia	17.4	15.5	-11.16 %
Solar Santa Clara	24.1	24.2	+0.71 %
Solar Santa Julia	26.6	25.8	-2.67 %
Solar Santa Laura	25.8	19.0	-26.19 %
Solar Santuario	30.0	28.3	-5.55 %
Solar Sol	20.5	18.7	-8.56 %
Solar Talca	71.5	67.8	-5.13 %
Solar Talhuén	31.9	29.1	-8.89 %
Solar Tambo Real	20.3	18.6	-8.45 %
Solar Techos de Altamira	1.4	0.0	-100.00 %
Solar Til Til	24.8	16.9	-31.93 %
Solar Trebal	19.4	18.7	-3.87 %
Solar Trica-Dos	20.8	19.5	-6.37 %
Solar Tricahue 2	90.3	87.3	-3.37 %
Solar Tucúquere	30.2	26.7	-11.38 %
Solar UTFSM Valparaíso Valdés	0.2	0.4	+115.58 %

Centrales	Prog.	Real	Desv %
Pichilonco	8.5	4.9	-42.53 %
Picoltué	-	0.0	-
Pilpilen	18.7	17.1	-8.52 %
Pitotoy	0.0	0.0	-
Puclaro	0.0	0.0	-
Punitaqui	-	0.0	-
Purísima	6.7	6.3	-5.32 %
Quillaileo	3.5	3.0	-12.54 %
Quillay	20.0	18.6	-7.02 %
Ramadilla	-	0.0	-
Rapaco	-	0.0	-
Raso Power	-	0.0	-
Reca	5.6	5.1	-9.68 %
Rey	-	0.0	-
Riñinahue	1.7	1.1	-36.15 %
Roblería	43.8	43.6	-0.49 %
Río Azul	-	0.0	-
Río Mulchén	2.3	2.3	+2.09 %
Salmofood 1	-	0.0	-
Santa Elena	0.0	6.8	-
Santa Irene	-	0.0	-
Santa Isabel	9.4	11.1	+17.34 %
Sauce Andes	16.6	13.0	-21.31 %
Sepultura	-	0.0	-
Skretting	-	0.0	-
Skretting Osorno	-	0.0	-
Sol de Septiembre	69.4	66.4	-4.34 %
Solar Alto	7.7	12.8	+66.87 %

Centrales	Prog.	Real	Desv %
Solar UTFSM Viña del Mar	1.5	0.0	-100.00 %
Solar Valle Este 2	84.7	89.7	+5.79 %
Solar Valle Oeste 2	85.4	92.6	+8.47 %
Solar Valle de la Luna 2	27.3	21.7	-20.49 %
Solar Victoria	84.9	61.3	-27.75 %
Solar Villa Cruz	28.5	27.5	-3.75 %
Solar Villa Prat	27.0	27.5	+1.81 %
Solar Villa Seca	24.2	25.4	+5.17 %
Solar Vituco 2B	27.7	17.1	-38.29 %
Solar Ñihue	6.8	5.6	-17.20 %
Solar Ñiquén	26.1	23.8	-8.96 %
Southern	-	0.0	-
Tambores	-	0.0	-
Tamm	-	0.0	-
Tapihue	-	0.0	-
Tirúa	-	0.0	-
Tomaval	-	0.0	-
Trailelfú	4.8	4.6	-4.28 %
Tranquil	0.0	0.0	-
Trebal Mapocho	-	0.2	-
Trueno	11.8	10.3	-12.71 %
Truful Truful	19.2	19.5	+1.48 %
Watts 1	-	0.0	-
Watts 2	-	0.0	-
Yumbel	-	0.0	-
Zapallar	-	0.0	-
Zofri	-	0.0	-
Total	8073.4	7531.4	-6.71 %

Abreviaturas:

GNP:Generación no programada

IF:Indisponibilidad por Falla

IL:Informe de Limitación de Unidades Generadoras

PMG:Pequeño Medio de Generación

PMGD:Pequeño Medio de Generación Distribuida

PMM:Programa de Mantenimiento Mayor

PMMeP:Programa de Mantenimiento Mayor con extensión de plazo

SDCF:Solicitud de desconexión de curso forzoso

SI:Sin información

JUSTIFICACIÓN DE PRINCIPALES DESVIACIONES (*)

Taltal 2 GNL

GNP por costo marginal.

$$(*) \text{ si } \left\{ \begin{array}{c} |E_{real} - E_{programada}| > 12.5\% E_{programada} \\ y \\ |E_{real} - E_{programada}| > 0.5\% E_{total \text{ real}} \end{array} \right\}$$

ESTADO DE LAS CENTRALES

3.1. Indisponibilidad por Falla

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Andina-CTA	0.0	Según IF 2020002751.
Mejillones-CTM1	42.0	Según IF 2021000150.

3.2. Informe de Limitación de Unidades Generadoras

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Andina-CTA	0.0	Limitada en 170 MW, según IL 202000015.
Angamos-ANG2	88.2	Limitada en 240 MW según SICF 2021002017.
Angostura	100.0	U-3 limitada a un valor de potencia de 40 MW por restricción de caudal ecológico, según IL 26. Y con restricción operativa respecto de la operación de las unidades por lo que "no se debe incrementar el caudal efluente entre las 09:00 y las 21:00 horas desde el 01 de diciembre de 2020 hasta el 31 de marzo de 2021. Lo anterior para efectos de limitar los riesgos sobre las personas que ocupan el lecho del río Bio Bio durante la época estival. De acuerdo a carta GM N° 213/2020. No puede participar en SSCC de CPF y CTF entre las 09:00 y las 21:00 hrs, según IL 2329. U-1 limitada a minimizar su operación. Causa informada: Se debe restringir al máximo su operación, por eventuales fallas antes del mantenimiento mayor por exceso de horas de operación, priorizar disponibilidad de U-2 y U-3, según IL 52.
Antuco	100.0	C. Antuco U-1 con limitación. Causa informada: Comportamiento anormal en lógica de control asociada al set-point del controlador SCADA 800M. No puede participar en control primario y secundario de frecuencia por anomalía, según IL 2279.
Cipreses	96.2	U-2 limitada a no generar menos de 20 MW por problemas de temperatura en los descansos, según IL 2018000553. U-3 limitada a 31 MW por bobina dañada y desconectada en el estator, según IL 2019000800.
El Toro	70.0	C. El Toro con limitación. Causa informada: Instrucción de Operación por Central El Toro durante el periodo de riego. Central El Toro podrá variar su potencia activa durante el periodo de riego si se cumplen las siguientes condiciones: 1.- Que las variaciones de generación en la Central El Toro sean compensadas de manera tal que, al final de cada día, el volumen total de agua extraída desde el embalse Laja sea el mismo que el volumen total de agua solicitada por la DOH, como tasa de extracción, para ese día. O, dicho de otra manera, que la tasa de extracción promedio diaria coincida con la tasa de extracción solicitada por la DOH para cada día. 2.- Que las variaciones de generación en la Central El Toro sean administradas de manera tal que durante todo momento la generación de central Antuco se mantenga constante, con una generación equivalente a las extracciones de riego solicitada por la DOH más la hoyá intermedia, lo anterior, mediante la adecuada utilización de la bocatoma Polcura. Dado lo anterior, Central El Toro podrá colaborar en control primario de frecuencia (CPF) del Sistema Eléctrico. Considerar para propósito anterior un nivel en bocatoma Polcura cercano a los 734,00 [m.s.n.m.] de manera de disponer de una banda adecuada para reaccionar a las variaciones potenciales producto del CPF, según IL 2456.
Eólica San Gabriel	75.4	C. PE San Gabriel limitada a 138 MW, indisponibilidad de circuito 3 y 5. Según IL 2021000174.
Guacolda 1	33.0	Limitada a 140 MW. Causa informada: Máximo control de válvula de turbina, según IL 2521. Limitada a 50 MW por falla en correa alimentadora de carbón de silo, según IL 129.
Guacolda 2	33.0	Limitada a 100 MW por control de parámetros del sistema de circulación, según IL 2277. Limitada a 50 MW por falla en correa alimentadora de carbón de silo, según IL 128.
Guacolda 5	92.0	Limitada en 140 MW por control temperatura descarga de agua de mar, según IL 126.
Hornitos-CTH	84.8	Limitada 140 MW según SICF 2021000947.
Kelar GNL	96.6	Limitada en 514 MW, según IL 85.
Mejillones-CTM2	58.4	Limitada en 90 MW según IL 2020002050.
Mejillones-CTM3 GNL	0.0	Limitada en 237 MW según IL 202100022.
Mejillones IEM	94.0	Limitada en 354 MW por revisión y/o reparación descanso N°1 turbina por aumento de vibraciones, según SICF 100146.
Nehuenco 2 Diésel	0.0	Limitada a no generar con diésel por restricciones ambientales, según IL 797/2017.

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Norgener-NT01	97.0	Limitada en 134 ME según IL 2021000072.
Norgener-NT02	97.7	Limitada en 129 MW, según IL 2021000073.
Pangue	100.0	C. Pangue U-1 y U-2, según lo estipulado en orden de operación local B - 13 Velocidad de toma de carga Central Pangue, que busca resguardar a los usuarios aguas abajo a la Central Pangue, la tasa de toma de carga entre los meses mayo - diciembre se deberá limitar a 180 MW por hora, equivalente a subir 30 MW cada 10 minutos o 3 MW por minuto. En caso de requerir movimiento de energía mayores, se deberá remitir a lo expuesto en orden de operación B-13. Para los meses de enero - abril la tasa de toma de carga se deberá limitar a 50 MW por hora, equivalente a subir 10 MW cada 12 minutos o 0,834 MW por minuto . Cuando generación supere los 300 MW, la tasa de toma de carga podrá alcanzar un máximo de 100 MW por hora, equivalente a subir 25 MW cada 15 minutos o 1,67 MW por minuto. En caso de requerir movimiento de energía mayores, se deberá remitir a lo expuesto en orden de operación B-13. No Participa de SSCC. Según IL 2021000017.
Quintero 1A Diésel	0.0	Limitada a no generar con diésel por restricciones ambientales, según IL 259. Sin partida autónoma, según IL 1872.
Quintero 1B Diésel	0.0	Limitada a no generar con diésel por restricciones ambientales, según IL 260. Sin partida autónoma, según IL 1873.
Ralco	100.0	Con nivel de embalse inferior a cota 700,00 msnm y según lo descrito en Orden de Operación local B-05 "Funcionamiento bajo cota 696,00 msnm" y B-08 "Regulación de frecuencia y AGC del SEN": 1.- Debido a restricciones en las Obras del túnel de aducción, para el funcionamiento de las unidades con niveles bajos en el embalse, la Central Ralco bajo la cota 700,00 msnm, no puede Regular la Frecuencia del SEN. 2.- Cuando la cota del embalse sea menor a 700,00 msnm. unidades de Central Ralco podrán operar en Modo AGC con estatismo 7%. 3.- Cuando la cota del embalse sea igual o mayor a 700,00 msnm unidades podrán operar en Modo AGC con estatismo 3%. 4.- Cuando la cota del embalse se encuentre bajo la cota 696,00 msnm unidades no podrán operar en modo AGC y CPF, se deberá seleccionar rampa lenta en controlador de regulador de velocidad, se consignará potencia activa vía limitador y potencia máxima vendrá dada por tabla, según IL 1542. La U-1 se debe mantener en servicio mientras caudal afluente y condiciones del sistema eléctrico lo permitan, para evitar movimientos de válvula de protección turbina de la unidad debido a filtración presente y así evitar aumento de riesgo en el equipo, según IL 2347.
San Isidro 1 Diésel	0.0	Limitada a generar con diésel solo en condición de emergencia. Causa informada: La central tiene autorizado usar petróleo diésel en situaciones de emergencia que consideran, entre otras, la falta de abastecimiento de gas natural y posibles fallas en el sistema del transporte de éste. IL 2511.
San Isidro 2 Diésel	0.0	Limitada a generar con diésel solo en condición de emergencia. Causa informada: La central tiene autorizado usar petróleo diésel en situaciones de emergencia que consideran, entre otras, la falta de abastecimiento de gas natural y posibles fallas en el sistema del transporte de éste. IL 2441.
Tocopilla-U14	93.0	Limitada en 105 MW, según IL 2020002152.
Tocopilla-U15	95.0	Limitada en 115 MW, según IL 2020002449.
Tocopilla-U16 GNL	100.0	Limitada no puede realizar AGC, según IL 2020002512.
Ventanas 2	89.0	Limitada a 195 MW. Causa informada: Control de parámetros del sistema de combustión, según IL 45.

3.3. Programa de Mantenimiento Mayor

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Campiche	0.0	Mantenimiento Mayor.
Nehuenco 2 GNL	0.0	Mantenimiento Mayor.

3.4. Solicitud de desconexión de curso forzoso

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Mejillones-CTM2	58.4	Según SDCF 2021005946.

ANTECEDENTES DE LA OPERACIÓN DIARIA SEN

4.1. Observaciones

Hora	Centro de Control	Observación
00:00	CDC	Cs. PFV Loma Los Colorados, PE Lebu (ampliación de 6,5 a 10 MW), Loma Los Colorados 2 (U-15 y 16), Dos Valles, PE Cabo Leones 2, PFV San Pedro, PFV Nuevo Quillagua, H. Digua, Los Cóndores y PFV Azabache, continúan en período de puesta en servicio.
00:00	Escuadrón	C. Escuadrón con solicitud de desconexión de curso forzoso. Causa informada: Inspección de sistema de bombas de recirculación de agua de refrigeración de condensador y sistemas auxiliares, según SDCF 2021006188.
00:00	Enel Generación	C. Rapel se declara en condición de agotamiento.
00:00	Enel Generación	C. Pehuenche se declara en condición de agotamiento.
00:00	Colbún	C. Colbún se declara en condición de agotamiento.
00:01	Enel Distribución	SDAC deshabilitado.
00:01	Chilquinta	S/E San Felipe transferencia automática de consumos habilitada.
00:04	CGE	Línea de 66 kV Ejército - Coronel 1 y 2, tramo San Pedro - Tap Loma Colorada 1 y 2 cancelada solicitud de intervención de curso forzoso, según SICF 2021006273.
00:12	Colbún	C. San Clemente sincronizada y cancelado IF 2021000158.
02:07	Interchile	S/E Nueva Pan de Azúcar desconectada CCSS de línea 500 kV Nueva Pan de Azúcar - Nueva Maitencillo 1 y 2.
02:10	TEN	S/E Los Changos desconectada CCSS de línea de 500 kV Changos - Cumbre 1 y 2.
02:12	TEN	Línea de 500 kV Cumbre - Nueva Cardones 1 abierta para regular tensión.
02:13	TEN	S/E Cumbre desconectada CCSS de línea de 500 kV Cumbre - Changos 1 y 2.
02:18	Interchile	Línea de 500 kV Nueva Maitencillo - Nueva Cardones 1 abierta para regular tensión.
05:03	Engie Generación	C. Mejillones CTM-1 sincronizada en pruebas, según IF 2021000150.
05:04	Transec	Línea de 500 kV Entre Ríos - Ancoa 1 abierta para regular tensión.
05:12	AES Gener	C. Nueva Ventanas limitada a 250 MW. Causa informada: Control temperatura descarga de agua de mar, según IL 2021000176.
05:51	Chilquinta	Línea de 110 kV Ventanas - Quintero con solicitud de desconexión de curso forzoso. Causa informada: Reparar punto con temperatura en prensa fase azul del desconector de 110 kV lado línea (89H5-3) en S/E Ventanas, según SDCF 2021006280.
05:51	Chilquinta	S/E Quintero TR-1 y TR-2 de 110/12 kV, 22.5 MVA con solicitud de desconexión de curso forzoso. Causa informada: Por trabajos asociados a SDCF 2021006280. Desconexión necesaria para apertura sin tensión del 89H2-1, según SDCF 2021006310 y 2021006311.
06:06	AES Gener	S/E Ventanas TR de 110/4.16 kV, 20 MVA con solicitud de desconexión de curso forzoso. Causa informada: A solicitud de Chilquinta, se requiere efectuar desconexión del transformador de partida para habilitación de alimentación de emergencia por trabajos de curso forzoso para reparar punto con temperatura en desconector 89H5 en S/E Ventanas. Relacionado con SDCF 2021006280, según SDCF 2021006287.
06:47	Chilquinta	S/E Quintero TR-1 y TR-2 de 110/12 kV, 22.5 MVA canceladas solicitudes de desconexión de curso forzoso.
08:03	Prime Energía	C. Degañ 2 nave-4 limitada a 8 MW con solicitud de intervención de curso forzoso. Causa informada: Revisión de parámetros operacionales en generadores, según SICF 2021006323.
08:49	Interchile	Línea de 500 kV Nueva Maitencillo - Nueva Cardones 1 cerrada.
08:50	San Andrés	C. San Andrés deja de verter.
09:10	Transec	Línea de 500 kV Entre Ríos - Ancoa 1 cerrada.
09:23	TEN	S/E Los Changos conectada CCSS de línea de 500 kV Changos - Cumbre 1 y 2.
09:29	Transec	Línea de 220 kV Crucero - Kimal 1 y 2 cerrada, según minuta DAOP N° 1/2020.
09:40	TEN	Línea de 500 kV Cumbre - Nueva Cardones 1 cerrada.
09:42	Interchile	S/E Nueva Pan de Azúcar conectada CCSS de línea de 500 kV Nueva Pan de Azúcar - Nueva Maitencillo 1 y 2.
10:04	TEN	S/E Cumbre conectada CCSS de línea de 500 kV Changos - Cumbre 1 y 2.

Hora	Centro de Control	Observación
10:29	Interchile	S/E Nueva Pan de Azúcar conectada CCSS de línea 500 kV Nueva Pan de Azúcar - Polpaico 1 y 2.
10:32	Engie Transmisión	Línea de 220 kV Chacaya - Crucero abierta, según minuta DAOP N° 1/2020.
10:34	Transelec	Línea de 220 kV Crucero - Kimal 1 abierta, según minuta DAOP N° 1/2020.
10:48	Acciona	C. PE San Gabriel limitada a 114 MW. Causa informada: Indisponibles circuito 3, 4 y 5, según IL 2021000177. Cancelada IL 2021000174.
11:02	TEN	S/E Cumbre conectada CCSS de línea 500 kV Cumbre - Nueva Cardones 1 y 2.
11:14	Prime Energía	S/E Don Héctor interruptor J6 abierto por control de transferencia línea de 220 kV Don Héctor - Punta Colorada.
11:16	Transelec	S/E Don Héctor interruptores J7 y J10 abiertos por control de transferencia línea de 220 kV Don Héctor - Punta Colorada.
11:27	San Andrés	C. San Andrés comienza a verter.
12:28	Chilquinta	S/E Quintero TR-1 y TR-2 de 110/12 kV, 22.5 MVA con solicitud de desconexión de curso forzoso. Causa informada: Por trabajos asociados a SDCF 2021006280. Desconexión necesaria para apertura sin tensión del 89H2-1, según SDCF 2021006320 y 2021006321.
12:30	Prime Energía	C. Degañ limitada a 29 MW con solicitud de intervención de curso forzoso. Causa informada: Revisión de los sistemas de refrigeración de los generadores, reemplazo de sensores de temperatura que presentaron fallas, según SICF 2021006332, cancelada SICF 2021006272.
12:36	Colbún	C. Carena U-2 con solicitud de intervención de curso forzoso. Causa informada: Verificación de presión en sistema hidráulico UHRV, según SICF 2021006322.
12:50	Chilquinta	Línea de 110 kV Ventanas - Quintero cancelada solicitud de desconexión de curso forzoso, según SDCF 2021006280.
13:25	Chilquinta	S/E Quintero TR-1 y TR-2 de 110/12 kV, 22.5 MVA canceladas solicitudes de desconexión de curso forzoso.
13:41	AES Gener	S/E Ventanas TR de 110/4.16 kV, 20 MVA cancelada solicitud de desconexión de curso forzoso SDCF 2021006287.
15:00	Engie Generación	C. Mejillones CTM1 disponible y en servicio, cancelado IF 2021000150. Limitada en 144 MW. Causa informada: Presurización del hogar de caldera, según IL 2021000178. Cancelada IL 2021000116 y SICF 2021005483.
16:12	AES Gener	C. Nueva Ventanas sin limitación, cancelada IL 2021000176.
16:20	CGE	Línea de 66 kV Pullinque - Loncoche 2 cerrada, cancelado IF 2021000159.
16:21	Prime Energía	Línea de 220 kV C. Pajonales - Don Héctor interrupción forzada por protecciones, según IF 2021000172.
16:21	Transelec	S/E Don Héctor 52J5 interrupción forzada por protecciones. Causa informada: Operación protección 87L de línea 220 kV Central Pajonales - Don Héctor, según IF 2021000162.
16:21	Prime Energía	C. Pajonales indisponible para el servicio. Causa informada: Falla línea de 220 kV C. Pajonales - Don Héctor, según IF 2021000173.
16:33	Chilquinta	S/E San Felipe transferencia automática de consumos deshabilitada por control transferencia de las líneas de 110 kV Los Maquis - Aconcagua - Esperanza.
16:45	AES Gener	C. Nueva Ventanas limitada a 250 MW. Causa informada: Control temperatura descarga de agua de mar, según IL 2021000179.
16:48	Transelec	Línea de 220 kV Duquenco - Los Peumos interrupción forzada por protecciones. Causa presunta: Incendio en las cercanías, sin consumos afectados, según IF 2021000164.
17:24	Transelec	S/E Charrúa banco de CCEE N° 2 de 13.2 kV, 11 MVar con solicitud de desconexión de curso forzoso. Causa informada: Verificar y normalizar funcionamiento del banco de CCEE N° 2, según SDCF 2021006325.
17:42	Transelec	S/E Don Héctor 52J5 cerrado, cancelado IF 2021000162.
17:42	Prime Energía	Línea de 220 kV C. Pajonales - Don Héctor cerrada, cancelado IF 2021000172.
17:42	Prime Energía	C. Pajonales disponible, cancelado IF 2021000173.
18:00	Colbún	C. Carena U-1 sincronizada en pruebas, según IF 2021000154.
18:49	San Andrés	C. El Paso inicia vertimiento.
19:00	Colbún	C. Carena U-1 E/S y disponible, cancelado IF 2021000154.
19:10	Colbún	C. Carena U-2 cancelada solicitud de intervención de curso forzoso SICF 2021006322.
19:13	AES Gener	C. Guacolda U-5 limitada a 125 MW. Causa informada: Control de parámetros del sistema de circulación, según IL 2021000180 y cancela IL 2021000164.
19:19	CGE	Línea de 66 kV Victoria - Collipulli interrupción forzada por protecciones. Causa informada: Conductor cortado entre T-359 y 360 a causa de incendio bajo la línea, sin pérdida de consumos. Según IF 2021000165.
19:21	Interchile	S/E Nueva Pan de Azúcar desconectada CCSS de línea 500 kV Nueva Pan de Azúcar - Polpaico 1 y 2.
20:21	Transelec	S/E Don Héctor interruptores J7 y J10 cerrados.
20:21	Prime Energía	S/E Don Héctor interruptor J6 cerrado.
20:27	Arauco	C. Planta Valdivia limitada a 8 MW. Causa informada: Menor disponibilidad de vapor debido a mayor consumo de vapor en proceso de celulosa. Según IL 2021000181.
20:30	San Andrés	C. El Paso deja de verter.

Hora	Centro de Control	Observación
20:46	Transec	S/E Charrúa banco de CCEE N° 2 de 13.2 kV, 11 MVar cancelada solicitud de desconexión de curso forzoso, SDCF 2021006325. Continúa indisponible según IF 2021000160.
21:07	STS	S/E Melipulli paño ET44 y ET66 con solicitud de intervención de curso forzoso. Causa informada: Se requiere no reconectar 52ET44 y 52ET66 de S/E Melipulli, para realizar retiro de nylon desde desconectador 89ET66-S (normal cerrado) de S/E Melipulli. El retiro se realizará con pértiga aislante y a distancia. Según SICF 6336.
21:08	Enel Distribución	S/E Renca 52H6 correspondiente a Central Renca interrupción forzada por protecciones. Causa informada: Coincidente con fuerte sismo en la zona. Según IF 2021000170.
21:08	Gen. Metropolitana	C. Renca indisponible. Causa informada: Indisponibilidad de unidades por apertura de interruptor H6 en S/E Renca, según IF 2021000167.
22:24	CGE	S/E Parinacota 66 kV interruptor B3 interrupción forzada por protecciones. se pierden 6 MW de consumos de la ciudad de Arica.
22:25	Interchile	S/E Nueva Pan de Azúcar desconectada CCSS de línea de 500 kV Nueva Pan de Azúcar - Maitencillo 1 y 2.
23:14	Transec	Línea de 220 kV Duquenco - Los Peumos cerrada, cancelado IF 2021000164.
23:24	TEN	Línea de 500 kV Cumbre - Nueva Cardones 1 abierta para regular tensión.
23:24	TEN	S/E Cumbre desconectada compensación serie de línea de 500 kV Cumbre - Nueva Cardones 1 y 2.
23:32	CGE	Línea de 66 kV Victoria - Collipulli cerrada y cancelado IF 2021000165.
23:33	CGE	Recuperado 1,2 MW de consumos de Arica a través de red de MT.
23:48	CGE	Recuperado 2.3 MW de consumos de Arica a través de red de MT.
23:58	Interchile	Línea de 500 kV Nueva Maitencillo - Nueva Cardones 1 abierta para regular tensión.

4.2. Otras Observaciones

Hora	Centro de Control	Observación
01:50	CDC	La mayor tasa de disminución de generación Bruta, calculada cada 5 minutos, fue de -26.2 [MW/m]
02:00	CDC	La mayor disminución de generación Bruta horaria fue de -398.4 [MW]
20:00	CDC	El mayor aumento de generación Bruta horaria fue de 326 [MW]
21:15	CDC	La mayor tasa de aumento de generación Bruta, calculada cada 5 minutos, fue de 16.4 [MW/m]
23:59	Enel Generación	C. Pehuenche bocatoma Maule promedio diario de extracciones fue 3.52 m3/seg.
23:59	Enel Generación	Lago Laja promedio diario de extracciones fue 66 m3/seg.
23:59	Enel Generación	Laguna del Maule promedio diario de extracciones fue 17 m3/seg.

4.3. Primera Energización de Instalaciones

Hora	Control de Control	Empresa	Instalación
No hay registros para esta fecha.			

INDISPONIBILIDAD SCADA SEN

Centro de Control	Instalación	Fecha F/S	Hora F/S	Fecha E/S	Hora E/S
Cenizas	S/E Cenizas sin datos SCADA.	06/02/2017	18:50		
Elektragen	Cs. Constitución y Maule datos SCADA.	07/11/2017	08:00		
Enor Chile	S/E Mantos Blancos sin datos SCADA.	18/11/2017	18:31		
Enel Generación	S/E Pilmaiquén interruptores B1 Osorno1 y B2 Osorno 2 datos SCADA F/S.	06/12/2018	11:59		
Engie Transmisión	Línea de 220 kV Encuentro - El Tesoro datos SCADA sin actualizar.	24/09/2019	01:00		
Engie Transmisión	S/E El Tesoro interruptor J1 sin datos SCADA.	12/11/2019	00:40		
Collahuasi	S/E Collahuasi patio 2 sin datos SCADA.	10/12/2019	16:50		
Enlasa	C. El Peñón sin datos SCADA.	18/12/2019	00:41		
Engie Transmisión	S/E El Tesoro paño J2 (Esperanza) sin datos SCADA y tensión de la Barra 220 kV.	20/12/2019	21:30		
Energía Pacífico	C. Energía Pacífico datos SCADA F/S.	23/06/2020	21:30		
Enlasa	S/E Diego de Almagro 220 kV paño J2 y C. San Lorenzo 2 y 3 datos SCADA F/S.	07/08/2020	18:00		
CGE	S/E El Sauce datos SCADA F/S.	23/08/2020	19:30		
Chilquinta	S/E Miraflores interruptor H4 datos SCADA F/S.	17/09/2020	05:30		
Enor Chile	S/E Valle Central interruptor B2-15 sin datos SCADA F/S	05/10/2020	12:10		
Codelco Ventanas	S/E Tap Off Codelco Ventanas	24/11/2020	11:46		
Engie Transmisión	S/E Tap Off Quiani 52B1 sin cambio de estado.	20/12/2020	00:00		
CGE	S/E Nirivilo data scada.	31/12/2020	15:00		
TEN	S/E Cumbre dato de T° erróneo.	05/01/2021	11:00		
Engie Transmisión	S/E Mejillones sin datos SCADA.	20/01/2021	08:00		

COMUNICACIONES SEN

Centro de Control	Instalación	Fecha F/S	Hora F/S	Fecha E/S	Hora E/S
Cenizas	Hot line.	07/10/2018	11:50		
Mariposas	Hot line.	23/02/2019	05:00		
ENAP BíoBío	Hot line.	31/10/2020	07:30		
Río Huasco	Hot-Line	05/11/2020	07:58		
Minera Escondida	Hot linea	21/01/2021	12:25		

ANEXO N°4

Detalle de mantenimientos programados y forzados correspondientes al día 23 de
enero de 2021

Reporte Desconexión/Intervención Subestación

Fecha generación reporte: 08-02-2021 23:56:27
Estados: Aprobado en activación, Ejecución Parcial, Ejecución Entera, Aprobado sin activación, Ejecución Parcial, Ejecución Entera
Total registros General: 60
Total registros Subestación: 40

Numero	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Subestación	(Elementos)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentarios Activación	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operation	Estado Operación Elemento	Fecha Inicio	Fecha Fin	Fecha Fin (Inicio)	Fecha Fin (Fin)
2021054080	Subestación	Ejecución Entera	ALFA EDUCIA LLANQUEUA S.p.A.	Intervención	Origen Externo	Programada	S/E AURORA	S/E CENTRAL AURORA JT	Otro Tipo de Trabajo	0	Cambio de ajustes y Pruebas End to End Protección Sistema 2 (3 Puntos). Trabajos ejecutados por Transmex. Condiciones requeridas: Sistema 2 de protecciones paulo 11 S/E Aurora a disposición del jefe de faena.	El riesgo del trabajo es bajo.	Cambio de ajustes y Pruebas End to End Protección Sistema 2 (3 Puntos). Trabajos ejecutados por Transmex. Condiciones requeridas: Sistema 2 de protecciones paulo 11 S/E Aurora a disposición del jefe de faena.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 18:34	20-01-21 17:02
2021050287	Subestación	Ejecución Entera	AES GENER	Desconexión	Origen Externo	Cursos Forzoso	S/E VENTANAS	VENTANAS 120V 120V 25MVA 1P	Otro Tipo de Trabajo	0	BA S/E ANDES 220KV 8P1 BA S/E ANDES 220KV 8P2 BA S/E ANDES 220KV (BESS) Relacionado con S0C 2021050286	Riesgo bajo, se consideran todas las medidas para desarrollar los trabajos en condición segura.	Relacionado con S0C 2021050286	No tiene consumo afectado	ninguno				20-01-21 06:00	20-01-21 11:00	20-01-21 06:06	20-01-21 13:41
2020097501	Subestación	Ejecución Entera	AES GENER	Intervención	Origen Externo	Programada	S/E ANDES (AES GENER)	BA S/E ANDES 220KV 8P1 BA S/E ANDES 220KV 8P2 BA S/E ANDES 220KV (BESS)	Obras Civiles	0	Proyecto Chile Solar, P. Comodoro 220 V. ATB: Trabajos Generales de Obras Civiles en Isla.	Riesgo bajo ya que se toman medidas de seguridad	S/E Anes 220 V: Señalar y No Reconectar: 25201, 25204, 25205, 25206, 25207, 25208, 25210	No tiene consumo afectado	ninguno				20-01-21 07:00	20-01-21 18:00	20-01-21 08:33	20-01-21 19:21
2020097406	Subestación	Ejecución Entera	AES GENER	Intervención	Origen Externo	Programada	S/E ANDES (AES GENER)	BA S/E ANDES 220KV 8P1 BA S/E ANDES 220KV 8P2 BA S/E ANDES 220KV (BESS)	Obras Civiles	0	Proyecto Chile Solar, P. Comodoro 23 VV ATB: Trabajos Generales de Obras Civiles en Isla	Riesgo bajo ya que se toman medidas de seguridad	S/E Anes 220 V: Señalar y No Reconectar: 25201, 25204, 25205, 25206, 25207, 25208, 25210, 25280, 25284, 25282/2, 25283/4, 25224/0, 25220/0, 25224/0	No tiene consumo afectado	ninguno				20-01-21 07:00	20-01-21 19:00	20-01-21 08:33	20-01-21 19:21
2021055179	Subestación	Ejecución Entera	ART CHAMMA S.p.A.	Intervención	Origen Interno	Programada	S/E PALLATA (En Revisión)	S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión)	Otro Tipo de Trabajo	0	Pruebas de conectividad del canal de comunicación de respaldo entre la subestación Pallata y el CCG para los cables STB. Trabajos en una ventana de dos horas dentro del periodo solicitado.	El riesgo del trabajo es bajo. Interrumpido en el STB.	Pruebas de conectividad del canal de comunicación de respaldo entre la subestación Pallata y el CCG para los cables STB. Trabajos en una ventana de dos horas dentro del periodo solicitado.	No tiene consumo afectado	ninguno				20-01-21 09:00	20-01-21 18:00	20-01-21 09:40	20-01-21 19:15
2021023237	Subestación	Ejecución Entera	ART CHAMMA S.p.A.	Intervención	Origen Interno	Programada	S/E PALLATA (En Revisión)	S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión) S/E PALLATA 12 (En Revisión)	Otro Tipo de Trabajo	0	Puesta en servicio de S/E Pallata. Considerar pruebas de puesta en servicio sobre equipos coordinados con BPP. Condiciones requeridas: A disposición de Jefe de Faena 521, 522, 523, 891-1, 891-2, 891-3, 891-4, 891-5.	El riesgo del trabajo es bajo.	Puesta en servicio de S/E Pallata. Considerar pruebas de puesta en servicio sobre equipos coordinados con BPP. Condiciones requeridas: A disposición de Jefe de Faena 521, 522, 523, 891-1, 891-2, 891-3, 891-4, 891-5.	No tiene consumo afectado	ninguno				20-01-21 00:00	20-01-21 23:59	20-01-21 00:02	04-02-21 21:01
2021055303	Subestación	Ejecución Entera	CGE	Intervención	Origen Interno	Programada	S/E TALCAHUANO	BA S/E TALCAHUANO 120V C1 BA S/E TALCAHUANO 180V BA S/E TALCAHUANO 120V C2	Lavado de Aislación	0	Se realizará el lavado de aislación con instalación energizada de la barra de 6V, 15kV y equipos asociados de S/E Talcahuano.	Riesgo medio, lavado de aislación con instalaciones energizadas. Trabajos controlados y realizados con personal calificado.	Se requiere el bloqueo de reconexión del S283, S283, S284 de S/E Talcahuano a orden de no reconectar el S281 y S284 de S/E Talcahuano. Además se requiere el bloqueo de reconexión de los circuitos en MT y orden de no reconectar el S2C73 y S2C74 de S/E Talcahuano.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 10:27	20-01-21 18:50
2021020114	Subestación	Ejecución Entera	CGE	Intervención	Origen Externo	Programada	TAP OFF ELEDEN	TAP OFF ELEDEN H1	Otro Tipo de Trabajo	0	Para trabajos asociados a S0 2021050680 - Desconexión necesaria para abrir un tendido del BPP-1.	Nivel de riesgo medio controlado	Trabajos externos a realizar por solicitud de empresa Transmex.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 07:52	20-01-21 18:18
2021050321	Subestación	Ejecución Entera	CHILQUINTA	Desconexión	Origen Interno	Cursos Forzoso	S/E QUINTERO	QUINTERO 120/120V 25MVA 1	Otro Tipo de Trabajo	0	Para trabajos asociados a S0 2021050680 - Desconexión necesaria para abrir un tendido del BPP-1.	Riesgo bajo, medidas necesarias para abrir desconectar BPP-1 a su tensión.	-	No tiene consumo afectado	ninguno				20-01-21 12:40	20-01-21 13:00	20-01-21 13:01	20-01-21 13:25
2021050320	Subestación	Ejecución Entera	CHILQUINTA	Desconexión	Origen Interno	Cursos Forzoso	S/E QUINTERO	QUINTERO 120/120V 25MVA 2	Otro Tipo de Trabajo	0	Para trabajos asociados a S0 2021050680 - Desconexión necesaria para cerrar un tendido del BPP-1.	Riesgo bajo, medidas necesarias para cerrar desconectar BPP-1 a su tensión.	-	No tiene consumo afectado	ninguno				20-01-21 12:30	20-01-21 12:40	20-01-21 12:30	20-01-21 12:58
2021050311	Subestación	Ejecución Entera	CHILQUINTA	Desconexión	Origen Interno	Cursos Forzoso	S/E QUINTERO	QUINTERO 120/120V 25MVA 2	Otro Tipo de Trabajo	0	Para trabajos asociados a S0 2021050680 - Desconexión necesaria para apertura sin tendido del BPP-1.	Riesgo bajo, medidas necesarias para apertura desconectar BPP-1 a su tensión.	-	No tiene consumo afectado	ninguno				20-01-21 06:30	20-01-21 07:30	20-01-21 05:52	20-01-21 07:38
2021050310	Subestación	Ejecución Entera	CHILQUINTA	Desconexión	Origen Interno	Cursos Forzoso	S/E QUINTERO	QUINTERO 120/120V 25MVA 1	Otro Tipo de Trabajo	0	Para trabajos asociados a S0 2021050680 - Desconexión necesaria para cierre sin tendido del BPP-1.	Riesgo bajo, medidas necesarias para cierre desconectar BPP-1 a su tensión.	-	No tiene consumo afectado	ninguno				20-01-21 06:00	20-01-21 07:00	20-01-21 05:52	20-01-21 06:47
2021050339	Subestación	Aprobado sin activación	CHILQUINTA	Intervención	Origen Interno	Programada	S/E BOSQUEMAR	S/E BOSQUEMAR	Otro Tipo de Trabajo	0	Por trabajos asociados a proyecto de ampliación S/E Bosqueumar, se interrumpirá el RTU Kingfisher y CMA.	Riesgo bajo. Trabajo controlado y planificado.	Durante los trabajos se deben pasar todos los selectores SCADA local/remoto a LOCAL.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00		
2021052945	Subestación	Aprobado sin activación	CHILQUINTA	Intervención	Origen Interno	Programada	S/E PLACILLA (CHILQUINTA)	S/E PLACILLA (CHILQUINTA)	Otro Tipo de Trabajo	0	Intervención y configuración de RTU Kingfisher de señales análogas y digitales en SE Placilla. Incluye pruebas de fase interna y tests completos en instalaciones que no están en evaluación por acciones de ampliación de la subestación Unión NUP 881.	Riesgo Bajo, trabajo programado	Para la ejecución de los trabajos se requiere pasar todos los selectores LOCAL/REMOTO de SCADA a posición LOCAL.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:30		
2021050897	Ejecución Entera	CODELCO CHILE - DIVISION CHISQUECAMATA	Desconexión	Origen Externo	Programada	S/E SALAR	S/E SALAR 180V	S/E SALAR 180V	Alambrado de control	0	Cambio de Sistema de Control y Admisión en la Subestación Unión	Riesgo bajo porque cuenta con todas las medidas necesarias para realizar un trabajo seguro.	S/E Salar: Alberto B86B-1; B86B-2; B86B-3; Interruptor S28B a disposición de Jefe de Faena	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 20:00	20-01-21 09:30	20-01-21 16:36
2021054802	Subestación	Ejecución Entera	COMPAÑIA MINERA CENTINELA	Desconexión	Origen Interno	Programada	TAP OFF LICANCABUR	S/E TAP OFF LICANCABUR HT2	Otro Tipo de Trabajo	0	Mantenimiento correctivo a interruptor 110KV, reparación de cámara de gas 9%. Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informa la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio.	Riesgo bajo porque se trabaja con equipo desenergizado.	Se S/E Tap-Off Licancabur: Interruptor S2HT2 Abierto Disposición Jefe Faena.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 20:00	20-01-21 10:30	20-01-21 15:50
2021050945	Subestación	Ejecución Entera	CTMG S.p.A.	Intervención	Origen Externo	Programada	S/E LABRINTO	S/E LABRINTO 120V 120V 25MVA 1	Lavado de Aislación	0	Procedimiento de no reconectar interruptores S2131 y S2132, por lavado de aislación a equipos externos de S/E Labrador (solicitud CEN 2021050944)	Riesgo bajo, trabajo programado.	Desconectar BPP12 Alarma y Bloqueado Desconectar BPP121 Corriente y Bloqueado Cable desenergizar que se instalan líneas provisionales.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 08:34	20-01-21 12:28
2021050481	Subestación	Ejecución Entera	ENEL DISTRIBUCION	Desconexión	Origen Interno	Programada	S/E CHENA	S/E CHENA R1 S/E CHENA R2 (JS)	Otro Tipo de Trabajo	0	Revisión configuración de control y pérdida de comunicación para Transmexión (BPP1) y Alambrado de Barra 1 Barra 2 (JS). Pruebas antes de desconectar los interruptores.	Trabajos sin riesgos para el sistema	Trabajos enmarcados en proyecto de Normalización de la CEN 220V, NUP 492	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 22:00	20-01-21 16:16	20-01-21 21:35
2021050460	Subestación	Ejecución Entera	ENEL DISTRIBUCION	Desconexión	Origen Interno	Programada	S/E FLORIDA	BA S/E FLORIDA 120V BA1	Otro Tipo de Trabajo	0	Tratamiento de equipos de medidas y TCC's y Tr: Combinado de medida hasta nueva ubicación prioritaria y Retiro de equipos existentes que se encuentran fuera de servicio. 1. Comb. A1, 2. Transm. de onda	Trabajos sin riesgos para el sistema	Trabajos enmarcados en proyecto de mejoras a la Subestación Florida	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 12:00	20-01-21 23:43	20-01-21 09:51
2021054216	Subestación	Ejecución Entera	ENEL DISTRIBUCION	Desconexión	Origen Interno	Programada	S/E LA REINA	S/E LA REINA H1	Otro Tipo de Trabajo	0	Poda de Fierba arborizada cercana a Arango 120 VV N1 de Circuito 120 VV N1 Los Almendros - Florida	No presenta riesgos para el sistema.	Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informa la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio. Unidad N°7 se encuentra sin carga y en retiro.	No tiene consumo afectado	ninguno				20-01-21 04:00	20-01-21 22:00	20-01-21 11:06	20-01-21 16:39
2021053555	Subestación	Ejecución Entera	ENEL DISTRIBUCION	Desconexión	Origen Interno	Programada	S/E CHENA	CHENA 220/120/12.1KV 40MVA 1	Otro Tipo de Trabajo	0	Eliminación de Filtros de Acúle en Unidad N°7 de Auto-transformador 220/120 VV N7. Auto-transformador 200/120 VV N7 no está de servicio debido a que la Unidad N°7 no presenta riesgos para el sistema. Se informa en Reservas.	No presenta riesgos para el sistema.	Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informa la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio. Unidad N°7 se encuentra sin carga y en retiro.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 23:00	20-01-21 13:53	20-01-21 22:39
2021054940	Subestación	Ejecución Entera	ENGIE	Intervención	Origen Interno	Programada	S/E CENTRAL DIESEL TAMAYA	S/E CENTRAL DIESEL TAMAYA 8P S/E CENTRAL DIESEL TAMAYA H4 S/E CENTRAL DIESEL TAMAYA H2 S/E CENTRAL DIESEL TAMAYA H1 S/E CENTRAL DIESEL TAMAYA H3 S/E CENTRAL DIESEL TAMAYA HT2 S/E CENTRAL DIESEL TAMAYA HT1 S/E CENTRAL DIESEL TAMAYA H1T S/E CENTRAL DIESEL TAMAYA H1T4	Lavado de Aislación	0	Lavado aisladores BP1 y BP2 EPP subestación	Se toman todas las medidas de precaución, controlando todos los riesgos existentes, de acuerdo a matriz de trabajo riesgo bajo.	CONDICIONES REQUERIDAS: NO RECONECTAR S/E Tamaya, S2H1, S2H2, S2H3, S2H4, S2H1T, S2H2T, S2H3T, S2H4, S/E Tocopilla, S2H1, S2H4, S/E Salar S2H4 y S/E a S2H1 ENCARGADO MANOBRAS: S/E Tamaya, operador transmisión	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 16:00	20-01-21 08:30	20-01-21 12:55
2021052950	Subestación	Ejecución Entera	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	S/E SVC DOMERO	S/E SVC DOMERO H3	Mantenimiento preventivo	0	Mantenimiento circuito de Control Limpieza y respirante - Paula 1 SVC Domero	Se realizan trabajos con un bajo nivel de riesgo	Condiciones requeridas: SE SVC Domero. No reconectar S211.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 16:48	20-01-21 19:33
2021052948	Subestación	Ejecución Entera	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	S/E SVC DOMERO	BA S/E SVC DOMERO 18.5KV	Mantenimiento preventivo	0	Mantenimiento circuito de Control Limpieza y respirante - Paula Barra 123 VV SVC	Se realizan trabajos con un bajo nivel de riesgo	Condiciones requeridas: SE SVC Domero. No reconectar S211.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 16:43	20-01-21 19:33
2021050889	Subestación	Ejecución Entera	MINERA ESCONDIDA	Intervención	Origen Externo	Programada	S/E O'HIGGINS	S/E O'HIGGINS 120 S/E O'HIGGINS 120	Lavado de Aislación	0	Se ingresa solicitud en apoyo de trabajos de lavado de aislación, en la SE Kaputar informados por empresa STN S.A. a través de la solicitud CEN 2021050878.	Riesgo bajo. Trabajo programado y bajo procedimientos respectivos. Se realiza en apoyo de la solicitud CEN 2021000878 por lavado de aislación en SE Kaputar, solicitado por la empresa STN S.A.	Condiciones requeridas: SE O'Higgins. No reconectar S217 y S2105. Solicitar ingresa en apoyo de trabajos de la empresa STN S.A. lavado de aislación en la SE Kaputar.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 06:23	20-01-21 12:30
2021050878	Subestación	Ejecución Entera	STN S.A.	Intervención	Origen Interno	Programada	S/E KAPUTAR	S/E KAPUTAR 11 S/E KAPUTAR 12 S/E KAPUTAR 13 S/E KAPUTAR 14 S/E KAPUTAR 15 S/E KAPUTAR 16 S/E KAPUTAR 17 S/E KAPUTAR 18 S/E KAPUTAR 19 S/E KAPUTAR 20 S/E KAPUTAR 21 S/E KAPUTAR 22 S/E KAPUTAR 23 S/E KAPUTAR 24 S/E KAPUTAR 25 S/E KAPUTAR 26	Lavado de Aislación	0	No reconectar interruptores 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 de S/E Kaputar por faena de lavado de aislación con agua a presión según matriz y manual a equipos primarios de S/E Kaputar	El riesgo es que puede haber apertura indeseada de protecciones durante los trabajos de lavado de aislación a paulas asociadas a Barra 1 y Barra 2 de S/E Kaputar	Faenas coordinadas entre Centros de Control, MEL, Kalar, AES Gener y Chilquinta. (PT 6376) registro interno STN.	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 18:00	20-01-21 06:12	20-01-21 12:16
2021050336	Subestación	Ejecución Entera	STS	Intervención	Origen Interno	Cursos Forzoso	S/E MELIPILLU	S/E MELIPILLU 1744 S/E MELIPILLU 1766	Otro Tipo de Trabajo	0	Se requiere No Reconectar S2ET44 y S2ET66 de S/E Melipilla, para realizar retiro de reactor desde desconectar BPP166 (normal cerrado) de S/E Melipilla. El retiro se realizará sin tensión aparente y a distancia.	El riesgo es controlado faena se realizará con pérgola asistida y a distancia.	Faena a distancia utilizando pérgola asistida, faena físicamente cercana entre puntos solicitados con precaución. (PT 6350) registro interno STN.	No tiene consumo afectado	ninguno				20-01-21 21:00	20-01-21 23:30	20-01-21 21:07	20-01-21 21:25
2021054615	Subestación	Ejecución Entera	STS	Intervención	Origen Externo	Programada	S/E OSORNO	S/E OSORNO 83 S/E OSORNO 84 S/E OSORNO 81 S/E OSORNO 82 S/E OSORNO 87 S/E OSORNO 87T S/E OSORNO 87S S/E OSORNO 87 S/E OSORNO 87 S/E OSORNO 87 S/E OSORNO 87	Otro Tipo de Trabajo	0	No reconectar S2B3 y S2B4 de S/E Osorno a solicitud de SASA por faena en su red de distribución correspondiente a reemplazo de conductor existe en trazo con línea 66 VV Pálmicheu - Osorno Chn. 1 y 2.	El riesgo de la faena es bajo y controlado, se mantendrán las distancias de seguridad con línea energizada.	Faenas coordinadas en C.C Enel y CCT-Grupo SASA. (SO2 24 de SASA, registro interno STN).	No tiene consumo afectado	ninguno				20-01-21 08:30	20-01-21 16:00	20-01-21 08:40	20-01-21 15:02
2021050343	Subestación	Ejecución Entera	STS	Intervención	Origen Interno	Programada	S/E OSORNO	S/E OSORNO 82 S/E OSORNO 82 S/E OSORNO 82 S/E OSORNO 87 S/E OSORNO 87T S/E OSORNO 87S S/E OSORNO 87 S/E OSORNO 87 S/E OSORNO 87 S/E OSORNO 87	Otro Tipo de Trabajo	0	faena a nivel de scala RTU SMPH que consiste en Ingreso a sala de comando de forma LOCAL y REMOTA para realizar integración de señales asociadas al paulo S2B3 y S2B4. Se reconfigura RTU Leques de comunicaciones asociadas a la RTU y cambio de IP en equipos EDs de toda la SUBESTACION, junto con las pruebas punto punto con SCADA y CEN para realizar esta faena las 24h local retiro de personal a posición local de los paulos RTU, RT2, RT3, RT4, RT5 y E5 mientras se ejecuten los trabajos.	El riesgo de la faena es bajo y controlado	asociado a PT N° 63298	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 20:00	20-01-21 09:56	20-01-21 13:37
2021050163	Subestación	Ejecución Entera	STS	Desconexión	Origen Externo	Programada	S/E OSORNO	S/E OSORNO 82	Otro Tipo de Trabajo	0	Desconexión de paulo 82 de S/E Osorno (línea 66 VV Osorno - La Unión quedará energizada en vacío desde SE La Unión). Faena de control que consisten en reemplazo de protecciones de Paulos 82 de S/E Osorno, dentro de los trabajos a realizar se encuentra deshabilitar ruta SEL 25A en Palo y Tratado de corriente del ruta 35SA en Palo a SEL 31C nuevo en Gabinete de sala de control, faenas serán realizadas según la siguiente secuencia: 1.- Desenergización y Desahambreado Protección SEL 311C, Paulos 82. 2.- Desenergización SEL 311C Paulos 81. 3.- Alambreado desde caja resumen corriente B2 hacia nuevo Relé SEL 311C en Gabinete de sala de sala de control. 4.- Modificación Alambreado de Control en Cuentas de Palo Control por Tratado de comando SCADA. 5.- Modificación de alambreado de cuenta A de Palo, por habilitación de potenciales 82. 6.- Visualización de corrientes y Potenciales en Post. ABB RD2670. Faenas asociadas a proyecto Remedia NUP 1297.	El riesgo de la faena es bajo y controlado, se realizará con instalaciones desconectadas.	Una vez energizado el circuito Osorno - La Unión quedará en servicio con la rama Protecciones SEL 311C mismo ajuste de protecciones retiradas. La normalización final será cuando se cambia la topología por el ingreso de la línea a SE Remuehe asociado a proyecto SE Remuehe NUP 1297. Faenas sin pérdida de suministro. (PT N° 63302 registro interno STN)	No tiene consumo afectado	ninguno				20-01-21 08:00	20-01-21 23:30	20-01-21 08:07	20-01-21 17:48
2021050325	Subestación	Ejecución Entera	TRANSELEC	Desconexión	Origen Interno	Cursos Forzoso	S/E CHARRUA	BC S/E CHARRUA C23 120V 11 MW	Otro Tipo de Trabajo	0	Se solicitará prueba experimental para energizar Banco CCEE N°2	Bajo	Actividades: S/E Charria: Verificar y normalizar funcionamiento del Banco CCEE N°2. Se solicita prueba experimental para energizar Banco CCEE N°2 Restricciones: instalación indisponible Instalaciones en Riesgo: Banco CCEE N°2, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203									

Reporte Desconexión/Intervención Subestación

Fecha generación reporte: 08-02-2021 23:56:27
Estado: Aprobado sin activación, Ejecución Parcial, Ejecución Entera, Aprobado sin activación, Ejecución Parcial, Ejecución Entera
Total registros General: 40
Total registros Subestación: 40

Numero	Tipo	Estado	Empresa	Tipo Substición	Origen	Tipo Programación	Subestación	Elemento(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentarios Adicionales	Consumo	Empresas Afectadas	Trabajo Response	Estado Operativo	Estado Operativo Ejecución	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021034873	Subestación	Ejecución Entera	TRANSELEC	Desconexión	Origen Externo	Programada	S/E PUERTO MONTT	S/E PUERTO MONTT JR	Otro Tipo de Trabajo	0	Trabajos solicitados por STS-	Bajo	Actividades: S/E Puerto Montt: Pruebas de inspección primaria estabilidad y diferencial, para vincular nuevo paño JS de STS a la central unit 878. Restricciones: No hay. Instalaciones en Riesgo: Barra 220 kV, Sección 1-Puerto Montt o Barra 220 kV, Sección 2- Puerto Montt - Temporalidad de los Riesgos: Al inicio o al término de los trabajos - Nivel de Riesgo: Bajo - Bloques del Jefe de Faena: S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 de los Paño JL, J2, J3, H4, J21, J22, J74A, y J74B bloqueado.- S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 del paño JR, bloqueado a disposición.- Actividades: S/E Puerto Montt: Pruebas de inspección primaria estabilidad y diferencial, para vincular nuevo paño JS de STS a la central unit 878. Restricciones: No hay - Instalaciones en Riesgo: Barra 220 kV, Sección 1-Puerto Montt o Barra 220 kV, Sección 2- Puerto Montt - Temporalidad de los Riesgos: Al inicio o al término de los trabajos - Nivel de Riesgo: Bajo - Bloques del Jefe de Faena: S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 de los Paño JL, J2, J3, H4, J21, J22, J74A, y J74B bloqueado.- S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 del paño JR, bloqueado a disposición.- Actividades: Solicitado por CSE: Lavado de aislación circuito línea de Oro. Restricciones: Subestación Diego de Almagro, no reconectar SDES. Instalaciones con Riesgo: Paño Línea L333.DDA-Inca de Oro. Temporalidad del Riesgo: Durante de los trabajos.	No tiene consumo afectado	ninguno		23-01-21 00:00	23-01-21 08:00	23-01-21 00:13	23-01-21 08:17		
2021034872	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Externo	Programada	S/E PUERTO MONTT	BA S/E PUERTO MONTT 220KV BPS BA S/E PUERTO MONTT 220KV BPS	Otro Tipo de Trabajo	0	Trabajos solicitados por STS-	Bajo	Actividades: S/E Puerto Montt: Pruebas de inspección primaria estabilidad y diferencial, para vincular nuevo paño JS de STS a la central unit 878. Restricciones: No hay - Instalaciones en Riesgo: Barra 220 kV, Sección 1-Puerto Montt o Barra 220 kV, Sección 2- Puerto Montt - Temporalidad de los Riesgos: Al inicio o al término de los trabajos - Nivel de Riesgo: Bajo - Bloques del Jefe de Faena: S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 de los Paño JL, J2, J3, H4, J21, J22, J74A, y J74B bloqueado.- S/E Puerto Montt: Bloqueo de las vías de trip de la protección diferencial de barras 878 del paño JR, bloqueado a disposición.- Actividades: Solicitado por CSE: Lavado de aislación circuito línea de Oro. Restricciones: Subestación Diego de Almagro, no reconectar SDES. Instalaciones con Riesgo: Paño Línea L333.DDA-Inca de Oro. Temporalidad del Riesgo: Durante de los trabajos.	No tiene consumo afectado	ninguno		23-01-21 00:00	23-01-21 08:00	23-01-21 00:13	23-01-21 08:17		
2021033658	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Externo	Programada	S/E DIEGO DE ALMAGRO	S/E DIEGO DE ALMAGRO E3	Otro Tipo de Trabajo	0	A solicitud de CSE SA, según SODI N°01.	Bajo.	Actividades: Solicitado por CSE: Lavado de aislación circuito línea de Oro. Restricciones: Subestación Diego de Almagro, no reconectar SDES. Instalaciones con Riesgo: Paño Línea L333.DDA-Inca de Oro. Temporalidad del Riesgo: Durante de los trabajos.	No tiene consumo afectado	ninguno		23-01-21 06:00	23-01-21 18:00	23-01-21 07:28	23-01-21 15:33		
2021033447	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Externo	Programada	S/E TINGURIRICA	otro: grupo_emergencia	Otro Tipo de Trabajo	0	Programa de obras de Sistemas de Control.	Bajo	Actividades: S/E Tinguiririca: Montaje de equipos de comunicación, montaje de breaker y borneras de paso en tableros existentes. Tendido de multiconductor a nueva URT. Trabajos asociados a migración de URT de 154 kV nueva URT de de 220 kV.- Condiciones: Normalización Sujeta a Coordinación.- Restricciones: Con bloqueo a la Reconexión.- Instalaciones en Riesgo: Paño Seccionador AGS2-Tinguirica o Paño Línea LA03, TIN- Convento Viejo o Paño Línea LA05, TIN-Higuera 2 o Paño Línea LA06, TIN-Higuera 1 o SCADA Tinguirica o Paño Línea LA03, TIN-Rancagua-A, Jahuat o Paño Línea LA03, TIN-Rancagua-A Jahuat 2 o SLAA, C.C. Tinguirica.- Temporalidad de los Riesgos: Durante los trabajos - Nivel de Riesgo: Bajo Bloques del Jefe de Faena: Subestación Tinguiririca, Delimitar área de trabajo Colocación de cintas de demarcación de área: Demarcación debe realizarse en cada uno de los tableros de control y protección a ser intervenidos	No tiene consumo afectado	ninguno		23-01-21 08:00	29-01-21 18:00	23-01-21 08:36	29-01-21 13:41		
2021033446	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Externo	Programada	S/E TINGURIRICA		Otro Tipo de Trabajo	0	Programa de obras de Sistemas de Control.	Bajo	Actividades: S/E Tinguiririca: Montaje de equipos de comunicación, montaje de breaker y borneras de paso en tableros existentes. Tendido de multiconductor a nueva URT. Trabajos asociados a migración de URT de 154 kV nueva URT de de 220 kV.- Condiciones: Normalización Sujeta a Coordinación.- Restricciones: Con bloqueo a la Reconexión.- Instalaciones en Riesgo: Paño Seccionador AGS2-Tinguirica o Paño Línea LA03, TIN- Convento Viejo o Paño Línea LA05, TIN-Higuera 2 o Paño Línea LA06, TIN-Higuera 1 o SCADA Tinguirica o Paño Línea LA03, TIN-Rancagua-A, Jahuat o Paño Línea LA03, TIN-Rancagua-A Jahuat 2 o SLAA, C.C. Tinguirica.- Temporalidad de los Riesgos: Durante los trabajos - Nivel de Riesgo: Bajo Bloques del Jefe de Faena: Subestación Tinguiririca, Delimitar área de trabajo Colocación de cintas de demarcación de área: Demarcación debe realizarse en cada uno de los tableros de control y protección a ser intervenidos	No tiene consumo afectado	ninguno		23-01-21 08:00	29-01-21 18:00	23-01-21 08:36	29-01-21 13:41		
2021033445	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Externo	Programada	S/E TINGURIRICA	S/E TINGURIRICA A5 S/E TINGURIRICA A5 S/E TINGURIRICA A6 S/E TINGURIRICA A8 S/E TINGURIRICA A10 S/E TINGURIRICA A10 S/E TINGURIRICA A10	Otro Tipo de Trabajo	0	Programa de obras de Sistemas de Control.	Bajo	Actividades: S/E Tinguiririca: Montaje de equipos de comunicación, montaje de breaker y borneras de paso en tableros existentes. Tendido de multiconductor a nueva URT. Trabajos asociados a migración de URT de 154 kV nueva URT de de 220 kV.- Condiciones: Normalización Sujeta a Coordinación.- Restricciones: Con bloqueo a la Reconexión.- Instalaciones en Riesgo: Paño Seccionador AGS2-Tinguirica o Paño Línea LA03, TIN- Convento Viejo o Paño Línea LA05, TIN-Higuera 2 o Paño Línea LA06, TIN-Higuera 1 o SCADA Tinguirica o Paño Línea LA03, TIN-Rancagua-A, Jahuat o Paño Línea LA03, TIN-Rancagua-A Jahuat 2 o SLAA, C.C. Tinguirica.- Temporalidad de los Riesgos: Durante los trabajos - Nivel de Riesgo: Bajo Bloques del Jefe de Faena: Subestación Tinguiririca, Delimitar área de trabajo Colocación de cintas de demarcación de área: Demarcación debe realizarse en cada uno de los tableros de control y protección a ser intervenidos	No tiene consumo afectado	ninguno		23-01-21 08:00	29-01-21 18:00	23-01-21 08:36	29-01-21 13:41		
2021031783	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Interno	Programada	S/E VALLENAR	S/E VALLENAR C1	Otro Tipo de Trabajo	0	Tendido de Conductor sobre línea energizada de propiedad de CSE (L 13.8 kV. Alimentador Asiliza, sobre postación N°587 y N°590 ubicado en sector quebrada Volparral) entre vano estructuras E-42 a E3 de la L 13.8 kV. Matencillo Volcaner (Proyecto Capa Transilca de reemplazo de conductor "TRAG21-2021P"), trabajos en línea definitiva y variantes tramo E02 a E03 (incluye trabajos de desarmado de línea antigua, montaje de postes y estructuras nuevas, tendido, templado de conductor y trabajos complementarios de O.O.C.) Restricciones: Subestación Volcaner, S2H1 con bloqueo a la reconexión inmovilizada Subestación Matencillo, S2H1 con bloqueo a la reconexión inmovilizada Terceros, TAP EL EDEN S2H1 con bloqueo a la reconexión inmovilizada Subestación Volcaner, S2C1 (L 13.8 kV. Alimentador Asiliza), con bloqueo a la reconexión inmovilizada Instalaciones en Riesgo: Paño Línea L001, VIL Asiliza o L 13.8kV Matencillo Volcaner, C1 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloques del Jefe de Faena: Subestación Matencillo, E 08 a 18, E02 a E3. Bloqueo Jefe de Faena. 01. El jefe de faena supervisará que todos los integrantes cuenten con sus equipos de protección personal. 02. El jefe de faena controlará que no ingrese a la zona de trabajo personal que no esté en la programación. 03. El jefe de Faena debe Delimitar y señalizar la zona de trabajo. Actividades: S/E Atacama: Lavado de aislación a equipos primarios, aisladores de pedestal, marcos de barra principal sección N°2 y de transferencia, marcos de línea de acuerdo al avance en los labores de lavado. Restricciones: Subestación Atacama, S206, S207, S208, S209, S2101, S2111, S215 No reconectar. Terceros, S/E O'Higgins, S206 No reconectar. Subestación Miraj, S208 y S210 No reconectar. Terceros, Central Casa Atacama, S207-28, S207-30, S207-32, S207-34 y S203-50 No reconectar. Instalaciones en Riesgo: Barra 220 kV, Sección 3-Atacama. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloques del Jefe de Faena: No hay.	No tiene consumo afectado	ninguno		23-01-21 08:00	23-01-21 18:00	23-01-21 07:28	23-01-21 19:34				
2020089755	Subestación	Ejecución Entera	TRANSELEC	Intervención	Origen Interno	Programada	S/E ATACAMA	BA S/E ATACAMA 220KV BPS	Otro Tipo de Trabajo	0	S/E Atacama: Lavado de aislación a equipos primarios, aisladores de pedestal, marcos de barra principal sección N°2 y de transferencia, marcos de línea de acuerdo al avance en los labores de lavado.	Bajo	Actividades: S/E Atacama: Lavado de aislación a equipos primarios, aisladores de pedestal, marcos de barra principal sección N°2 y de transferencia, marcos de línea de acuerdo al avance en los labores de lavado. Restricciones: Subestación Atacama, S206, S207, S208, S209, S2101, S2111, S215 No reconectar. Terceros, S/E O'Higgins, S206 No reconectar. Subestación Miraj, S208 y S210 No reconectar. Terceros, Central Casa Atacama, S207-28, S207-30, S207-32, S207-34 y S203-50 No reconectar. Instalaciones en Riesgo: Barra 220 kV, Sección 3-Atacama. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloques del Jefe de Faena: No hay.	No tiene consumo afectado	ninguno		23-01-21 08:00	23-01-21 18:00	23-01-21 07:53	23-01-21 15:32		

Reporte Desconexión/Intervención Central Generadora

Fecha generación reporte: 08-02-2021 23:56:27
Estado: Aprobado un activación, Ejecución Parcial, Ejecución Exitosa, Aprobado sin activación, Ejecución Parcial, Ejecución Exitosa
Total registros General: 60
Total registros Central Generadora: 10

Numero	Tipo	Estado	Empresa	Tipo Solicital	Origen	Tipo Programación	Central	Unidad(es)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentarios Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Electivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021004058	Central Generadora	Ejecución Exitosa	AES GENER	Intervención	Origen Interno	Programada	TER NORGENER	TER NORGENER U1	Otro Tipo de Trabajo	134	Medición de HS, Unidad debe operar en una consigna igual o superior a 133 MW	Bajo riesgo, se tomaron todas las medidas para ejecutar las mediciones en forma segura	Durante las mediciones, control primario de frecuencia (CPF) disponible y control secundario de frecuencia (SCF) indispónible	No tiene consumo afectado	ninguno	PO (Prueba Operacional)			23-01-21 20:00	24-01-21 08:00	23-01-21 20:38	24-01-21 04:21
2021004897	Central Generadora	Ejecución Exitosa	ANDES GENERACIÓN	Intervención	Origen Interno	Programada	TER ANDES GENERACIÓN	TER ANDES GENERACIÓN U2	Inspección Visual	7,41	Se realizará prueba de funcionamiento y sincronismo de la unidad en diferentes niveles de carga, con el objeto de garantizar calidad del servicio al registrar parámetros, chequear el sistema de control, funcionamiento de los SS/AA asociados y dar rodaje a la unidad.	Nivel de riesgo bajo, debido a que se realizarán solamente pruebas operacionales a distintos niveles de carga, sin ejecución de ningún trabajo en la unidad ni los respectivos SS/AA.	La prueba operacional será coordinada en todo momento con personal del CEN en base a condiciones dadas por ellos. La actividad NO representa ningún tipo de limitación ni indisponibilidad ante requerimientos de generación o continuidad del servicio solicitado por el CEN.	No tiene consumo afectado	ninguno	PO (Prueba Operacional)			23-01-21 19:00	23-01-21 23:59	23-01-21 21:23	23-01-21 22:27
2021004896	Central Generadora	Ejecución Exitosa	ANDES GENERACIÓN	Intervención	Origen Interno	Programada	TER ANDES GENERACIÓN	TER ANDES GENERACIÓN U1	Inspección Visual	7,32	Se realizará prueba de funcionamiento y sincronismo de la unidad en diferentes niveles de carga, con el objeto de garantizar calidad del servicio al registrar parámetros, chequear el sistema de control, funcionamiento de los SS/AA asociados y dar rodaje a la unidad.	Nivel de riesgo bajo, debido a que se realizarán solamente pruebas operacionales a distintos niveles de carga, sin ejecución de ningún trabajo en la unidad ni los respectivos SS/AA.	La prueba operacional será coordinada en todo momento con personal del CEN en base a condiciones dadas por ellos. La actividad NO representa ningún tipo de limitación ni indisponibilidad ante requerimientos de generación o continuidad del servicio solicitado por el CEN.	No tiene consumo afectado	ninguno	PO (Prueba Operacional)			23-01-21 19:00	23-01-21 23:59	23-01-21 21:17	23-01-21 22:26
2021005228	Central Generadora	Ejecución Exitosa	BIOENERGÍAS FORESTALES	Desconexión	Origen Interno	Programada	TER CMPC PACÍFICO	TER CMPC PACÍFICO U1	Otro Tipo de Trabajo	0	Solicitud ingresada por medio de Mantenimiento Preventivo Mayor. Se indicó que	la Plataforma de Mantenimiento Caldera de biomasa	Mantenimiento Caldera de biomasa	No tiene consumo afectado	ninguno	MM (Mantenimiento Mayor)			23-01-21 09:00	03-02-21 00:00	23-01-21 11:53	05-02-21 00:00
2021006332	Central Generadora	Ejecución Exitosa	ELECTRICA INDUSTRIAL	Intervención	Origen Interno	Curso Forzosa	HP CARENA	HP CARENA U2	Otro Tipo de Trabajo	0	Verificación de presión en sistema HD-álutolo UHRV.	no afecta	UG2 se encuentra disponible y un resaca por baja de afluente en el Río Mapacho. Se solicita dar arranque y girar a UG2 para prueba de presión a equipo unidad hidrálutolo de regulación de velocidad. (NO se sincronizara al sistema)	No tiene consumo afectado	ninguno	DN (Desconectada Normal)			23-01-21 12:20	23-01-21 20:00	23-01-21 12:36	23-01-21 19:10
2021000118	Central Generadora	Ejecución Exitosa	GUACOLDA	Intervención	Origen Interno	Programada	TER GUACOLDA	TER GUACOLDA U5	Otro Tipo de Trabajo	75	Pruebas de Válvulas Principales de Turbina, en carga de 75 MW	Riesgo bajo, manobra operacional rutinaria con supervisión constante durante la prueba.	Pruebas de Válvulas Principales de Turbina, en carga de 75 MW	No tiene consumo afectado	ninguno	PO (Prueba Operacional)			23-01-21 03:30	23-01-21 06:30	23-01-21 03:44	23-01-21 07:00
2021000117	Central Generadora	Ejecución Exitosa	GUACOLDA	Intervención	Origen Interno	Programada	TER GUACOLDA	TER GUACOLDA U1	Otro Tipo de Trabajo	75	Pruebas de Válvulas Principales de Turbina, en carga de 75 MW	Riesgo bajo, manobra operacional rutinaria con supervisión presente durante la prueba.	Pruebas de Válvulas Principales de Turbina, en carga de 75 MW	No tiene consumo afectado	ninguno	PO (Prueba Operacional)			23-01-21 00:30	23-01-21 03:30	23-01-21 00:14	23-01-21 03:44
2021006332	Central Generadora	Ejecución Exitosa	NUÉVA DESAN	Intervención	Origen Interno	Curso Forzosa	TER DEGAÑ	CENTRAL COMPLETA	Otro Tipo de Trabajo	29	Revisión de los sistemas de refrigeración de los generadores	Riesgo bajo y controlado ya que los trabajos se realizarán con todas las medidas de seguridad, siguiendo procedimientos internos.	No requiere comentarios adicionales	No tiene consumo afectado	ninguno	LF (Unidad con limitación forzada)			23-01-21 12:30	25-01-21 23:59	23-01-21 12:30	25-01-21 14:40
2021006323	Central Generadora	Ejecución Exitosa	NUÉVA DESAN	Intervención	Origen Interno	Curso Forzosa	TER DEGAÑ II	TER DEGAÑ II (U23-U28)	Otro Tipo de Trabajo	8	Revisión de parámetros operacionales en generadores	Riesgo bajo y controlado ya que los trabajos se realizarán con todas las medidas de seguridad, siguiendo procedimientos internos.	Solo un equipo generador de Nueva 4 Degañ 2, presenta problemas.	No tiene consumo afectado	ninguno	LF (Unidad con limitación forzada)			23-01-21 08:03	24-01-21 23:59	23-01-21 08:03	25-01-21 22:23
2021006288	Central Generadora	Ejecución Exitosa	NUÉVA ENERGIA	Desconexión	Origen Interno	Curso Forzosa	TER ESCUADRÓN	TER ESCUADRÓN U1	Otro Tipo de Trabajo	0	Inspección de sistema de bombas de recirculación de agua de refrigeración de condensador y sistemas auxiliares.	Revisión sistema de agua de recirculación de Condensador	Se inspeccionará para evaluar intervención.	No tiene consumo afectado	ninguno	DF (Desconexión Forzada)			23-01-21 09:00	25-01-21 18:00	23-01-21 09:00	26-01-21 22:15

ANEXO N°5

Informes de trabajos y fallas de instalaciones ingresados en el Sistema del
Coordinador Eléctrico Nacional por CGE S.A. y Transemel S.A.

Resumen - Línea

Resumen

Número:

2021000176

Solicitante:

Ricardo Neira Cordero

Empresa:

CGE

Tipo de Origen:

Interno

Línea:

PARINACOTA - QUIANI 66KV

Tramo:

Tipo: secciones_tramos - EST. N°6 - QUIANI 66KV C1

Nombre : EST. N°6 - QUIANI 66KV C1

Fecha Perturbacion : 23-01-2021 22:24

Fecha Normaliza : 24-01-2021 04:36

Protección : 21N

Interruptor : 52B3

Consumo : 6 MW

Comentario : .

Zona Afectada

Arica y Parinacota

Comuna

Arica

Tipo Causa

Causa Presunta

Causa Principal

Comentarios Tipo Causa:

Se investiga.

Causas

-Fenómeno Físico: Origen no determinado.

-Elemento: Conjunto aislación línea

-Fenómeno Eléctrico: Distancia (admitancia, impedancia o reactancia)

-Operación de los interruptores: Opera según lo esperado

Comentarios Causas:

-Fenómeno Físico: .

-Elemento: Aislador de disco quebrado estructura N° 30.

-Fenómeno Eléctrico: 21N, 13 km. Fase AC.

-Operación de los interruptores: .

Observaciones:

-Observaciones: .

-Acciones Inmediatas: Recuperación de consumos.

-Hechos Sucuidos: 22:24 Trip 52B3 (6 MW) protección 21N 13 km, Fase A-C. Afectando a 8168 clientes regulados. 23:23 Recuperación por red MT de 0,94 MW(3836 clientes regulados), 23:48 Recuperación por red MT de 0,82 MW(2838 clientes regulados), 01:22 Recuperación por red MT de 1.91 MW(1494 clientes regulados). 04:36 Cierre 52B3 Subestación Parinacota. Dejando LT. 66 kV Parinacota - Quiani normalizada.

-Acciones Correctivas a Corto Plazo: .

-Acciones Correctivas a Largo Plazo: .

Afecta SCCC:

No

Afecta Medidores:

No

Afecta Protecciones:

No

Consumo:

Consumo Regulado

Distribuidoras Afectadas

CGE / Perd. Estm. de Potencia: 6 / Región : Arica y Parinacota

Retorno Automatico:

No Tiene Retorno Automático

Fecha / Hora Perturbación de la Solicitud:

23-01-2021 22:24

Fecha / Hora Estimada Retorno:

24-01-2021 04:36

Fecha / Hora Efectiva Retorno:

24-01-2021 04:36

Resumen - Línea

Resumen

Número:

2021000212

Solicitante:

TRANSEMEL

Empresa:

TRANSEMEL

Tipo de Origen:

Interno

Línea:

PARINACOTA - QUIANI 66KV

Tramo:

Tipo: secciones_tramos - PARINACOTA - EST. N°6 66KV C1
Nombre : PARINACOTA - EST. N°6 66KV C1
Fecha Perturbacion : 23-01-2021 22:24
Fecha Normaliza : 24-01-2021 04:36
Protección : 21N
Interruptor : 52B3
Consumo : 6 Mw
Comentario : 23:23 Recuperación por red MT de 0,94 MW(3836 clientes regulados). 23:48 Recuperación por red MT de 0,82 MW(2838 clientes regulados). 01:22 Recuperación por red MT de 1.91 MW(1494 clientes regulados). 04:36 Cierre 52B3 Subestación Parinacota, quedando la LT. 66 kV Parinacota - Quiani normalizada.

Zona Afectada

Arica y Parinacota

Comuna

Arica

Tipo Causa

Causa Definitiva
Causa Principal

Comentarios Tipo Causa:

.

Causas

-Fenómeno Físico: Origen no determinado.
-Elemento: Conjunto aislación línea
-Fenómeno Eléctrico: Distancia (admitancia, impedancia o reactancia)
-Operación de los interruptores: Opera según lo esperado

Comentarios Causas:

-Fenómeno Físico: .
-Elemento: Aislador de disco quebrado estructura N° 30.

-Fenómeno Eléctrico: Operación de protección 21N, Distancia 13 km y Fase AC.

-Operación de los interruptores: Interruptor operado 52B3 en S/E Parinacota.

Observaciones:

-Observaciones: .

-Acciones Inmediatas: Recuperación de consumos.

-Hechos Sucidos: 22:24 Trip 52B3 (6 MW) protección 21N 13 km, Fase A-C. Afectando a 8168 clientes regulados.

-Acciones Correctivas a Corto Plazo: .

-Acciones Correctivas a Largo Plazo: .

Afecta SSCC:

No

Afecta Medidores:

No

Afecta Protecciones:

No

Consumo:

Consumo Regulado

Distribuidoras Afectadas

TRANSEMEL / Perd. Estm. de Potencia: 6 / Región : Arica y Parinacota

Retorno Automatico:

No Tiene Retorno Automático

Fecha / Hora Perturbación de la Solicitud:

23-01-2021 22:24

Fecha / Hora Estimada Retorno:

24-01-2021 04:36

ANEXO N°6

Otros antecedentes aportados por CGE S.A. y Transemel S.A.

INFORME DE FALLA
REQUERIMIENTO NORMA TÉCNICA DE SyCS

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1. CAUSA U ORIGEN DE LA FALLA:

1.1. Fecha y hora de la Falla:

Fecha	23 de Enero de 2021
Hora	22:24

1.2. Localización de la falla:

- 1.2.1. Nombre de Instalación donde se produjo de falla.**
ID 2137 LT Línea Estructura N°6 - Subestación Quiani 66Kv
- 1.2.2. Segmento al cual pertenece el equipo o elemento fallado.**
STZ: Sistema de Transmisión Zonal.
- 1.2.3. Elemento o equipo fallado.**
Conductor.

1.3. Causa origen de la falla:

Descarga eléctrica entre la fase A y C en estructura N°30 del tramo de línea "LT Estructura N°6 – Subestación Quiani 66Kv" de propiedad de CGE, se encuentran dañados dos aisladores, provocando la apertura de Interruptor 52B3 en Subestación Parinacota.

De la inspección realizada no se encontró evidencia del motivo que provocó la falla, de acuerdo a lo observado se presume que pudo haber sido por alguna ave o por acción de terceros.

1.4. Proposición de origen de la falla.

II.- Interna.

INFORME DE FALLA
REQUERIMIENTO NORMA TÉCNICA DE SyCS

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1.5. Código de falla.

Causas de Falla	Código	Definición
Fenómeno Físico	OTR2	Interrupción cuyo origen no se pudo determinar.
Elemento del Sistema Eléctrico	TX3	Conjunto aislación línea.
Fenómeno Eléctrico	DI21	Distancia(Admitancia, Impedancia o Reactancia)
Modo	13	Opera de acuerdo a lo esperado

1.6. Comuna donde se originó la falla.

ID_15101 Arica

1.7. Comunas afectadas por la falla.

ID_15101 Arica

1.8. Reiteración.

1.8.1. N° de Fallas en Instalación. (Últimos 24 meses móviles).

Se presento 1 fallas en últimos 24 meses móviles.

1.8.2. N° de Fallas en Instalación con mismo Fenómeno Físico. (Últimos 24 meses móviles).

No se presentaron fallas en últimos 24 meses móviles.

1.8.3. Identificación de Evento de Falla que afecta a instalación en los últimos 24 meses móviles.

IF N°	Fecha falla	Hora Falla	Código Fenómeno Físico.
2019001323	22-04-2019	10:20 hrs	ANI1

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1.9. Datos empresa propietaria instalación fallada.

Nombre Empresa: Compañía General de Electricidad S.A
RUT: 76.411.321-7
Representante Legal: Iván Arístides Quezada Escobar.
Dirección: Av. Presidente Riesco N° 5561 P14, las Condes, Santiago, Chile.

2. INSTALACIONES AFECTADAS.

Subestación Primaria	Instalación (Barra Primaria)	Hora desconexión	Hora Normalización
Quiani	Barra 66kV	22:24	04:36

3. DIAGRAMAS SIMPLIFICADOS.

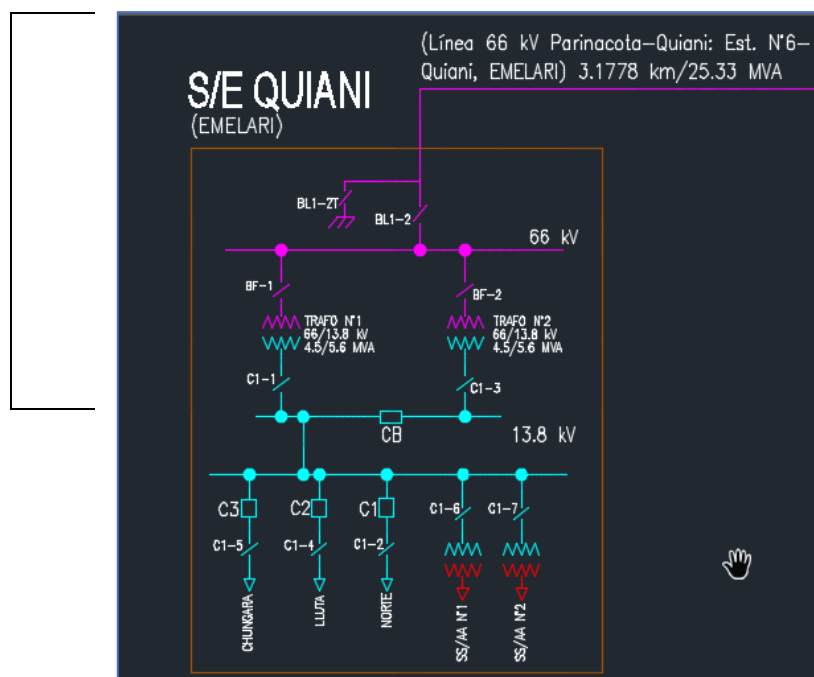


Figura 1; Diagrama Unilineal Simplificado de Zona Afectada.

INFORME DE FALLA
REQUERIMIENTO NORMA TÉCNICA DE SyCS

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

4. PERDIDAS DE GENERACIÓN.

No hay generación de propiedad de CGE S.A., involucrada en la falla.

5. PÉRDIDAS DE CONSUMOS.

Subestación /Transformador	Alimentador /Nema	MW	Hora desconexión	Hora normalización	Clientes afectados
SE Quiani /Transformador T-1 T-2	Norte / 52 C12	0,965	22:24	23:48 (Por Dx)	Consumos CGE
SE Quiani /Transformador T-1 T-2	Lluta / 52 C13	4,220	22:24	01:22 (Por Dx)	Consumos CGE
SE Quiani /Transformador T-1	Chungara / 52 C14	1,251	22:24	23:33 (Por Dx)	Consumos CGE
	TOTAL (MW)	6,4 Mw.			

ENS: 11,251 MWH.

N° de Clientes Afectados: 8.168

Nota. La reposición de los clientes se realizó parcialmente a través de Distribución. La reposición de la Subestación fue a las 04:36 Hrs.

ALIMENTADOR	CARGA AFECTADA MW	CLIENTES	Rural/Urbano
Norte	0,965	2.838	Urbano
Lluta	4.220	1.494	Urbano
Chungara	1.251	3.836	Urbano

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6. CRONOLOGÍA DE EVENTOS Y DESCRIPCIÓN DE CAUSAS

S/E	Evento 20-01-2020	Horario
Parinacota	Apertura forzada por operación de Protecciones Interruptor 52 B3	22:24
Quiani	Apertura Manual 89 C12 Alimentador Norte.	23:18
Quiani	Apertura Manual 89 C13 Alimentador Lluta.	23:16
Quiani	Apertura Manual 89 C14 Alimentador Chungará	23:20
Quiani	Normalización Consumo Alimentador Chungará por Distribución	23:33
Quiani	Normalización Consumo Alimentador Norte por Distribución.	23:48
Quiani	Normalización Consumo Alimentador Lluta por Distribución.	01:22
Parinacota	Cierre 52B3 (Paño Quiani)	04:36
Quiani	Interruptores 52 C12- 52C13 – 52C14 Quedan abiertos por trabajos programados	

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7. ESQUEMAS DE PROTECCIÓN Y CONTROL INVOLUCRADOS EN LA FALLA.

Resumen del evento

Hora Relé	S/E	Instalación (Paño)	Protección Operada	Tiempo [s]	Observaciones
01:23:53	Parinacota	Paño B3 Línea Parinacota - Quiani	21	Instantáneo	Opera Correctamente

Archivos adjuntos del evento

Interruptor Asociado/Extremo (S/E)	Hora	Descripción de oscilografías o Registro de Eventos	Nombre de Archivo de Oscilografías y Registro de Eventos
52B3	01:23:53	Oscilografía Operación 21N Protección Sistema GE-D60+	Osc3 Falla LT Tap off Quiani – Quiani 20210125.cfg/.dat/.hdr
		Eventos Protección Sistema GE-D60+	Evento falla LT Tap off Quiani – Quiani 20210125.evt

INFORME DE FALLA **REQUERIMIENTO NORMA TÉCNICA DE SyCS**

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
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7.1 Análisis Actuación de Esquema de Protección.

File Name	C:\Users\Public\Documents\GGE Power Management\URPC\Data\Device Files\Quick Connect Device\EVT_254_20191219_150544.EVT		
Date / Time of Last Clear	Thursday, December 19, 2019 15:05:44		
Events Since Last Clear	40139	Shown Number of Events	1024
0 days 20 h : 11 m : 14.609397 s			
Event Number	Date/Time	Cause	Data
40042	Jan 24 2021 01:23:53.415558	TX 85D-B Off	
40041	Jan 24 2021 01:23:53.415558	TRIP2 52B3-B Off	
40040	Jan 24 2021 01:23:53.415558	TRIP1 52B3-B Off	
40039	Jan 24 2021 01:23:53.415558	PH DIR1 BLKB Off	
40038	Jan 24 2021 01:23:53.413060	AR BKR1 BLK	
40037	Jan 24 2021 01:23:53.403079	PH DIR1 BLKB On	
40036	Jan 24 2021 01:23:53.403079	PH DIR1 BLK B	
40035	Jan 24 2021 01:23:53.396781	52B3 AB On	
40034	Jan 24 2021 01:23:53.380624	BLOCK SOTF Off	
40033	Jan 24 2021 01:23:53.377273	52B3 CE Off	
40032	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40031	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40030	Jan 24 2021 01:23:53.368149	TX 85A/C Off	
40029	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO CA	
40028	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO BC	
40027	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO AB	
40026	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO CA	
40025	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO BC	
40024	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO AB	
40023	Jan 24 2021 01:23:53.365651	OPEN POLE OP C	
40022	Jan 24 2021 01:23:53.365651	OPEN POLE OP B	
40021	Jan 24 2021 01:23:53.365651	OPEN POLE OP A	
40020	Jan 24 2021 01:23:53.358168	PH DIST Z1 OP AB	
40019	Jan 24 2021 01:23:53.358168	PH DIST Z1 PKP AB	
40018	Jan 24 2021 01:23:53.355673	TX 85D-C On	
40017	Jan 24 2021 01:23:53.355673	TX 85D-B On	
Quick Connect Device Actual Values: Records			
40007	Jan 24 2021 01:23:53.355673	PART 50BF-C On	
40006	Jan 24 2021 01:23:53.355673	PART 50BF-B On	
40005	Jan 24 2021 01:23:53.355673	PART 50BF-A On	
40004	Jan 24 2021 01:23:53.355673	TRIP 3-POLE	
40003	Jan 24 2021 01:23:53.355673	TRIP PHASE C	
40002	Jan 24 2021 01:23:53.355673	TRIP PHASE B	
40001	Jan 24 2021 01:23:53.355673	TRIP PHASE A	
40000	Jan 24 2021 01:23:53.355673	FAULT RPT TRIG	
39992	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP C	
39991	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP A	
39990	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP CA	
39989	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP CA	
39988	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP BC	
39987	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP BC	

Figura 1: Registro de Eventos (extracto) del relé UR D60

En el registro secuencial de eventos de la protección GE-D60 Paño B3 en S/E Parinacota, se observa la operación instantánea del elemento de protección "DIST Z1 OP CA" en el evento # 39989, la orden de trip sobre el interruptor 52B3 en el evento # 40404 y la apertura del interruptor en el evento # 40033, obteniéndose así un tiempo de operación del interruptor de 21,6 [ms].

Cabe mencionar que por filosofía de protecciones la reconexión automática no está habilitada en el relé 52B3 de S/E Parinacota, de acuerdo al Proyecto Original.

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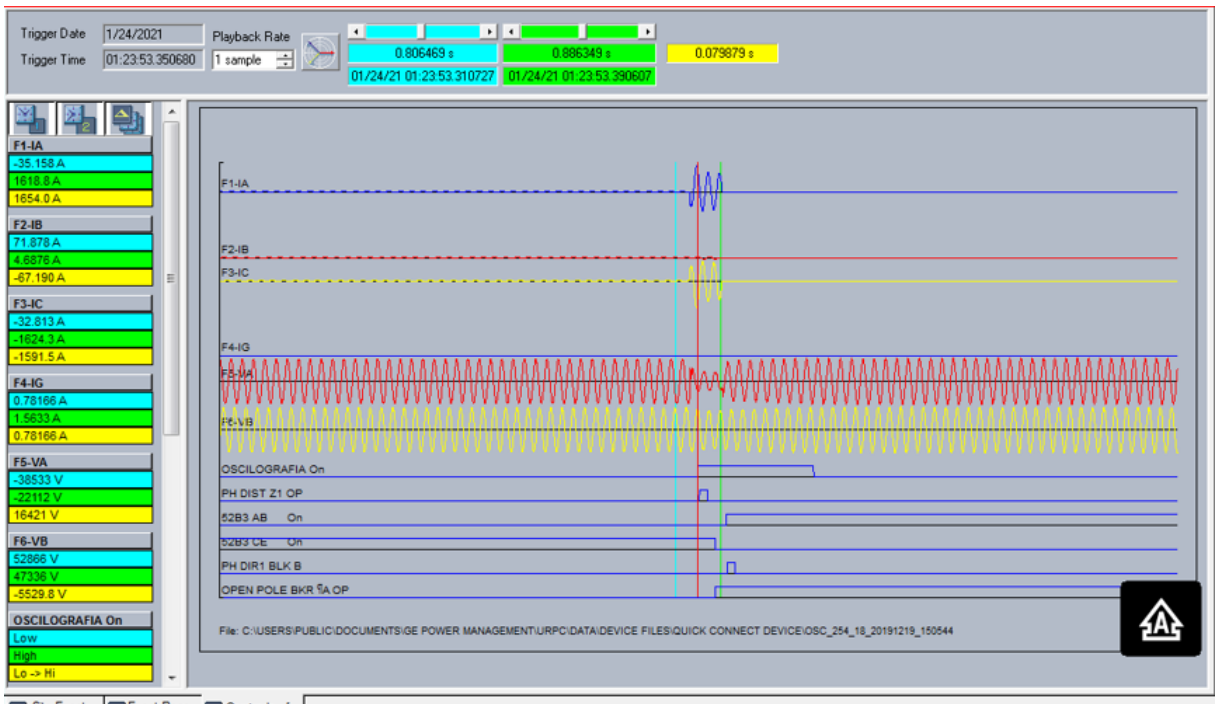


Figura 2: Oscilografías relé UR D60

Del registro oscilográfico se aprecia la operación de la protección GE-D60, por medio del elemento de distancia de zona 1 "DIST Z1 OP" producto de falla bifasica AC , probocando la apertura instantánea del interruptor 52B3 de S/E Parinacota.

INFORME (s) QUINTO DÍA N°: IF 2021000176	FECHA DE FALLA: 23 de 01 de 2021
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8. ACCIONES CORRECTIVAS.

- 8.1.** Acciones Correctivas de Corto Plazo.
Se realizó el cambio inmediato de los aisladores dañados.
- 8.2.** Acciones correctivas de Largo Plazo
No aplica.

9. CONCLUSIONES.

Los antecedentes de falla recopilados a partir de la información suministrada por los relés de protección y antecedentes propios de terreno dan cuenta de una contingencia real en la Línea 66 [kV] Parinacota – Quiani, específicamente en la estructura N°30 de características de sobrecorriente Fase AC. A partir de lo anterior, se concluye que la operación de los relés de protecciones es correcta, lo que ha permitido un despeje de la falla en forma oportuna.

10. ANALISIS CONJUNTO.

A las 22:24 horas del día 23-01-2021 se produce apertura del Interruptor 52B3 de SE Parinacota, correspondiente a la LT línea Parinacota – Quiani 66Kv.

La falla se debió a descarga eléctrica entre las fases A y C en la estructura N°30 del tramo de línea “LT Estructura N°6 – Subestación Quiani 66kV” de propiedad de CGE, donde se encuentran dañados dos aisladores adicionales de suspensión de aislador principal de la Línea 66 Kv. Parinacota – Quiani.

Las protecciones operaron correctamente de acuerdo a sus ajustes, la normalización de los consumos se inició a las 23:33 horas finalizando a las 01:22 horas del día siguiente. La normalización del paño 52B3 de SE Parinacota se produjo a las 04:36 del siguiente día.

INFORME DE FALLA
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ANEXOS I PRINT OUT

Se adjunta “ANEXO 1 PRINT OUT Parinacota D60 B3 Quiani Setup”.

ANEXO II REGISTRO SCADA

FECHA	HORA	ESTADO	MEDIDOR
24-01-2021	1:23:53	PARI_B3_52B3-APMAN_AL_ACTIVIA	52B3 AP
24-01-2021	1:23:53	PARI_B3_52B3_ST_ABIERTO	52B3 AB
24-01-2021	1:23:54	PARI_B3_52B3-APMAN_AL_ACTIVIA	52B3 AP
24-01-2021	6:38:55	PARI_B3_52B3_OR_CERRAR	52B3 CE
24-01-2021	6:38:56	Fix32.ARISS.PARI_B3_52B3_OR_CER	C2::ROBERT
24-01-2021	6:38:56	PARI_B3_52B3_ST_ABIERTO	52B3 AB
24-01-2021	7:33:44	PARI_B3_52B3_OR_ABRIR	52B3 AB
24-01-2021	7:33:44	Fix32.ARISS.PARI_B3_52B3_OR_ABR	2::ROBERTO
24-01-2021	7:33:44	PARI_B3_52B3_ST_ABIERTO	52B3 AB
24-01-2021	7:33:44	PARI_B3_52B3-APMAN_AL_ACTIVIA	52B3 AP
24-01-2021	7:33:50	PARI_B3_52B3-APMAN_AL_ACTIVIA	52B3 AP
24-01-2021	7:35:45	PARI_B3_52B3_OR_CERRAR	52B3 CE
24-01-2021	7:35:46	Fix32.ARISS.PARI_B3_52B3_OR_CER	C2::ROBERT
24-01-2021	7:35:46	PARI_B3_52B3_ST_ABIERTO	52B3 AB

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502****PRODUCT SETUP****SECURITY**

Command Password	0
Setting Password	1032091941
Command Password Access Timeout	5 min
Setting Password Access Timeout	30 min
Invalid Password Attempts	3
Password Lockout Duration	5 min
Password Access Events	Disabled
Local Setting Authorized	ON
Remote Setting Authorized	ON
Access Authorized Timeout	30 min

DISPLAY PROPERTIES

Flash Message Time	3.0 s
Default Message Timeout	120 s
Default Message Intensity (VFD Only)	25 %
Screen Saver Feature (LCD Only)	Enabled
Screen Saver Wait Time (LCD Only)	2 min
Current Cutoff Level	0.020 pu
Voltage Cutoff Level	0.5 V

CLEAR RELAY RECORDS

Clear Fault Reports	OFF
Clear Event Records	OFF
Clear Oscillography	OFF
Clear Data Logger	OFF
CLEAR Breaker 1 Arcing Amps	OFF
CLEAR Breaker 2 Arcing Amps	OFF
Clear Energy	OFF
Reset Unauth Access	OFF

COMMUNICATIONS**SERIAL PORTS**

RS485 Com2 Baud Rate	19200
RS485 Com2 Parity	None
RS485 Com2 Response Min Time	0 ms

NETWORK

IP Address	10. 1. 32. 51
IP Subnet Mask	255.255.255. 0
Gateway IP Address	10. 1. 32. 1
Ethernet Operation Mode	Full-Duplex
OSI Network Address (NSAP)	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

MODBUS PROTOCOL

Modbus Slave Address	51
Modbus TCP Port Number	502

DNP PROTOCOL

DNP Channel 1 Port	NETWORK - TCP
DNP Channel 2 Port	NETWORK - TCP
DNP Address	51
DNP Client Address 1	10. 1. 32. 10
DNP Client Address 2	0. 0. 0. 0
DNP Client Address 3	0. 0. 0. 0
DNP Client Address 4	0. 0. 0. 0
DNP Client Address 5	0. 0. 0. 0
DNP TCP/UDP Port Number	20000
DNP Unsol Resp Function	Enabled
DNP Unsol Resp Timeout	5 s
DNP Unsol Resp Max Retries	10
DNP Unsol Resp Dest Addr	1000
DNP Current Scale Factor	0.1
DNP Voltage Scale Factor	1
DNP Power Scale Factor	1000
DNP Energy Scale Factor	1
DNP Power Factor Scale Factor	0.001
DNP Other Scale Factor	0.001

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP PROTOCOL (continued from last page)

DNP Current Default Deadband	5
DNP Voltage Default Deadband	50
DNP Power Default Deadband	50
DNP Energy Default Deadband	30000
DNP Power Factor Default Deadband	5
DNP Other Default Deadband	5
DNP Time Sync IIN Period	1440 min
DNP Message Fragment Size	240
DNP Object 1 Default Variation	2
DNP Object 2 Default Variation	2
DNP Object 20 Default Variation	1
DNP Object 21 Default Variation	1
DNP Object 22 Default Variation	1
DNP Object 23 Default Variation	1
DNP Object 30 Default Variation	5
DNP Object 32 Default Variation	7
DNP Number of Paired Controls	0
DNP TCP Connection Timeout	120 s

DNP - IEC104 POINTS LISTS

DNP Binary Input Point 0	PART 50BF-A On (VO1)
DNP Binary Input Point 1	PART 50BF-B On (VO2)
DNP Binary Input Point 2	PART 50BF-C On (VO3)
DNP Binary Input Point 3	PART 50BF 3P On (VO4)
DNP Binary Input Point 4	PART 79 3P On (VO5)
DNP Binary Input Point 5	BLOCK 79 On (VO6)
DNP Binary Input Point 6	CE MAN 52B3 On (VO7)
DNP Binary Input Point 7	Virt Op 8 On (VO8)
DNP Binary Input Point 8	TRIP PROT. On (VO9)
DNP Binary Input Point 9	CLOSE PROT. On (VO10)
DNP Binary Input Point 10	TDD PROT. On (VO11)
DNP Binary Input Point 11	PKP PROT. On (VO12)
DNP Binary Input Point 12	OSCILOGRAFIA On (VO13)
DNP Binary Input Point 13	SCA OP 21 Z1 On (VO14)
DNP Binary Input Point 14	SCA OP 21 Z2 On (VO15)
DNP Binary Input Point 15	SCA OP 21 Z3 On (VO16)
DNP Binary Input Point 16	SCA OP 21 Z4 On (VO17)
DNP Binary Input Point 17	SCA OP 21 Z5 On (VO18)
DNP Binary Input Point 18	SCA OP 51P On (VO19)
DNP Binary Input Point 19	SCA OP 51N On (VO20)
DNP Binary Input Point 20	SCA OP LINE On (VO21)
DNP Binary Input Point 21	BLOCK SOTF On (VO22)
DNP Binary Input Point 22	HAB 79 VO23 On (VO23)
DNP Binary Input Point 23	DES 79 VO24 On (VO24)
DNP Binary Input Point 24	DES/HAB 79 On (VO25)
DNP Binary Input Point 25	RST DEVICE On (VO26)
DNP Binary Input Point 26	TX 85A/C On (VO27)
DNP Binary Input Point 27	79 RIP On (VO28)
DNP Binary Input Point 28	Virt Op 29 On (VO29)
DNP Binary Input Point 29	TRIP FAULT R On (VO30)
DNP Binary Input Point 30	PEXT 79S1 OK On (VO31)
DNP Binary Input Point 31	Virt Op 32 On (VO32)
DNP Binary Input Point 32	SCA OP 50BF On (VO33)
DNP Binary Input Point 33	SCA OP 79 S2 On (VO34)
DNP Binary Input Point 34	SCA OP 79 B3 On (VO35)
DNP Binary Input Point 35	SCA FAULT R On (VO36)
DNP Binary Input Point 36	SCA ANY B3 On (VO37)
DNP Binary Input Point 37	SCA OP 46 On (VO38)
DNP Binary Input Point 38	SCA CUT LINE On (VO39)
DNP Binary Input Point 39	SC AP B3 Rx On (VO40)
DNP Binary Input Point 40	OP 21S1 Z1 On (VO41)
DNP Binary Input Point 41	OP 21S1 Z2 On (VO42)
DNP Binary Input Point 42	OP 21S1 Z3 On (VO43)
DNP Binary Input Point 43	OP 21S1 Z4 On (VO44)
DNP Binary Input Point 44	OP 79 SIST.1 On (VO45)
DNP Binary Input Point 45	PH DIR1 BLKA On (VO46)
DNP Binary Input Point 46	PH DIR1 BLKB On (VO47)
DNP Binary Input Point 47	PH DIR1 BLKC On (VO48)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 48	Virt Op 49 On (VO49)
DNP Binary Input Point 49	Virt Op 50 On (VO50)
DNP Binary Input Point 50	Virt Op 51 On (VO51)
DNP Binary Input Point 51	Virt Op 52 On (VO52)
DNP Binary Input Point 52	Virt Op 53 On (VO53)
DNP Binary Input Point 53	Virt Op 54 On (VO54)
DNP Binary Input Point 54	Virt Op 55 On (VO55)
DNP Binary Input Point 55	Virt Op 56 On (VO56)
DNP Binary Input Point 56	Virt Op 57 On (VO57)
DNP Binary Input Point 57	Virt Op 58 On (VO58)
DNP Binary Input Point 58	Virt Op 59 On (VO59)
DNP Binary Input Point 59	Virt Op 60 On (VO60)
DNP Binary Input Point 60	Virt Op 61 On (VO61)
DNP Binary Input Point 61	Virt Op 62 On (VO62)
DNP Binary Input Point 62	Virt Op 63 On (VO63)
DNP Binary Input Point 63	Osc Trigger On (VO64)
DNP Binary Input Point 64	Virt Op 65 On (VO65)
DNP Binary Input Point 65	Virt Op 66 On (VO66)
DNP Binary Input Point 66	Virt Op 67 On (VO67)
DNP Binary Input Point 67	Virt Op 68 On (VO68)
DNP Binary Input Point 68	Virt Op 69 On (VO69)
DNP Binary Input Point 69	Virt Op 70 On (VO70)
DNP Binary Input Point 70	Virt Op 71 On (VO71)
DNP Binary Input Point 71	Virt Op 72 On (VO72)
DNP Binary Input Point 72	Virt Op 73 On (VO73)
DNP Binary Input Point 73	Virt Op 74 On (VO74)
DNP Binary Input Point 74	Virt Op 75 On (VO75)
DNP Binary Input Point 75	Virt Op 76 On (VO76)
DNP Binary Input Point 76	Virt Op 77 On (VO77)
DNP Binary Input Point 77	Virt Op 78 On (VO78)
DNP Binary Input Point 78	Virt Op 79 On (VO79)
DNP Binary Input Point 79	Virt Op 80 On (VO80)
DNP Binary Input Point 80	Virt Op 81 On (VO81)
DNP Binary Input Point 81	Virt Op 82 On (VO82)
DNP Binary Input Point 82	Virt Op 83 On (VO83)
DNP Binary Input Point 83	Virt Op 84 On (VO84)
DNP Binary Input Point 84	Virt Op 85 On (VO85)
DNP Binary Input Point 85	Virt Op 86 On (VO86)
DNP Binary Input Point 86	Virt Op 87 On (VO87)
DNP Binary Input Point 87	Virt Op 88 On (VO88)
DNP Binary Input Point 88	Virt Op 89 On (VO89)
DNP Binary Input Point 89	Virt Op 90 On (VO90)
DNP Binary Input Point 90	Virt Op 91 On (VO91)
DNP Binary Input Point 91	Virt Op 92 On (VO92)
DNP Binary Input Point 92	Virt Op 93 On (VO93)
DNP Binary Input Point 93	Virt Op 94 On (VO94)
DNP Binary Input Point 94	Virt Op 95 On (VO95)
DNP Binary Input Point 95	Virt Op 96 On (VO96)
DNP Binary Input Point 96	52B3 AB On(H7a)
DNP Binary Input Point 97	Cont Ip 2 On(H7c)
DNP Binary Input Point 98	Cont Ip 3 On(H8a)
DNP Binary Input Point 99	52B3 CE On(H8c)
DNP Binary Input Point 100	RX 85A On(M7a)
DNP Binary Input Point 101	RX 85C On(M7c)
DNP Binary Input Point 102	GRP AJUSTE 1 On(M8a)
DNP Binary Input Point 103	GRP AJUSTE 2 On(M8c)
DNP Binary Input Point 104	P.EXT.50BF-A On(P7a)
DNP Binary Input Point 105	P.EXT.50BF-B On(P7c)
DNP Binary Input Point 106	P.EXT.50BF-C On(P8a)
DNP Binary Input Point 107	RX TRIP REM On(P8c)
DNP Binary Input Point 108	S79 S1 ON On(U7a)
DNP Binary Input Point 109	S79 S2 ON On(U7c)
DNP Binary Input Point 110	Cont Ip 15 On(U8a)
DNP Binary Input Point 111	Cont Ip 16 On(U8c)
DNP Binary Input Point 112	CTRL HAB 79 On(W1a)
DNP Binary Input Point 113	CTRL DES 79 On(W1c)
DNP Binary Input Point 114	52B3 CE MAN On(W2a)
DNP Binary Input Point 115	OP 21S1 Z1 On(W2c)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 116	OP 21S1 Z2 On(W3a)
DNP Binary Input Point 117	OP 21S1 Z3 On(W3c)
DNP Binary Input Point 118	OP 21S1 Z4 On(W4a)
DNP Binary Input Point 119	Cont Ip 24 On(W4c)
DNP Binary Input Point 120	P.EXT. 79 S1 On(W5a)
DNP Binary Input Point 121	Cont Ip 26 On(W5c)
DNP Binary Input Point 122	OP 79 SIST.1 On(W6a)
DNP Binary Input Point 123	21S1 FALLA On(W6c)
DNP Binary Input Point 124	Cont Ip 29 On(W7a)
DNP Binary Input Point 125	FA T/P S2 On(W7c)
DNP Binary Input Point 126	BP CONECTADO On(W8a)
DNP Binary Input Point 127	79 S1 HABIL On(W8c)
DNP Binary Input Point 128	OFF
DNP Binary Input Point 129	OFF
DNP Binary Input Point 130	OFF
DNP Binary Input Point 131	OFF
DNP Binary Input Point 132	OFF
DNP Binary Input Point 133	OFF
DNP Binary Input Point 134	OFF
DNP Binary Input Point 135	OFF
DNP Binary Input Point 136	OFF
DNP Binary Input Point 137	OFF
DNP Binary Input Point 138	OFF
DNP Binary Input Point 139	OFF
DNP Binary Input Point 140	OFF
DNP Binary Input Point 141	OFF
DNP Binary Input Point 142	OFF
DNP Binary Input Point 143	OFF
DNP Binary Input Point 144	OFF
DNP Binary Input Point 145	OFF
DNP Binary Input Point 146	OFF
DNP Binary Input Point 147	OFF
DNP Binary Input Point 148	OFF
DNP Binary Input Point 149	OFF
DNP Binary Input Point 150	OFF
DNP Binary Input Point 151	OFF
DNP Binary Input Point 152	OFF
DNP Binary Input Point 153	OFF
DNP Binary Input Point 154	OFF
DNP Binary Input Point 155	OFF
DNP Binary Input Point 156	OFF
DNP Binary Input Point 157	OFF
DNP Binary Input Point 158	OFF
DNP Binary Input Point 159	OFF
DNP Binary Input Point 160	OFF
DNP Binary Input Point 161	OFF
DNP Binary Input Point 162	OFF
DNP Binary Input Point 163	OFF
DNP Binary Input Point 164	OFF
DNP Binary Input Point 165	OFF
DNP Binary Input Point 166	OFF
DNP Binary Input Point 167	OFF
DNP Binary Input Point 168	OFF
DNP Binary Input Point 169	OFF
DNP Binary Input Point 170	OFF
DNP Binary Input Point 171	OFF
DNP Binary Input Point 172	OFF
DNP Binary Input Point 173	OFF
DNP Binary Input Point 174	OFF
DNP Binary Input Point 175	OFF
DNP Binary Input Point 176	OFF
DNP Binary Input Point 177	OFF
DNP Binary Input Point 178	OFF
DNP Binary Input Point 179	OFF
DNP Binary Input Point 180	OFF
DNP Binary Input Point 181	OFF
DNP Binary Input Point 182	OFF
DNP Binary Input Point 183	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 184	OFF
DNP Binary Input Point 185	OFF
DNP Binary Input Point 186	OFF
DNP Binary Input Point 187	OFF
DNP Binary Input Point 188	OFF
DNP Binary Input Point 189	OFF
DNP Binary Input Point 190	OFF
DNP Binary Input Point 191	OFF
DNP Binary Input Point 192	OFF
DNP Binary Input Point 193	OFF
DNP Binary Input Point 194	OFF
DNP Binary Input Point 195	OFF
DNP Binary Input Point 196	OFF
DNP Binary Input Point 197	OFF
DNP Binary Input Point 198	OFF
DNP Binary Input Point 199	OFF
DNP Binary Input Point 200	OFF
DNP Binary Input Point 201	OFF
DNP Binary Input Point 202	OFF
DNP Binary Input Point 203	OFF
DNP Binary Input Point 204	OFF
DNP Binary Input Point 205	OFF
DNP Binary Input Point 206	OFF
DNP Binary Input Point 207	OFF
DNP Binary Input Point 208	OFF
DNP Binary Input Point 209	OFF
DNP Binary Input Point 210	OFF
DNP Binary Input Point 211	OFF
DNP Binary Input Point 212	OFF
DNP Binary Input Point 213	OFF
DNP Binary Input Point 214	OFF
DNP Binary Input Point 215	OFF
DNP Binary Input Point 216	OFF
DNP Binary Input Point 217	OFF
DNP Binary Input Point 218	OFF
DNP Binary Input Point 219	OFF
DNP Binary Input Point 220	OFF
DNP Binary Input Point 221	OFF
DNP Binary Input Point 222	OFF
DNP Binary Input Point 223	OFF
DNP Binary Input Point 224	OFF
DNP Binary Input Point 225	OFF
DNP Binary Input Point 226	OFF
DNP Binary Input Point 227	OFF
DNP Binary Input Point 228	OFF
DNP Binary Input Point 229	OFF
DNP Binary Input Point 230	OFF
DNP Binary Input Point 231	OFF
DNP Binary Input Point 232	OFF
DNP Binary Input Point 233	OFF
DNP Binary Input Point 234	OFF
DNP Binary Input Point 235	OFF
DNP Binary Input Point 236	OFF
DNP Binary Input Point 237	OFF
DNP Binary Input Point 238	OFF
DNP Binary Input Point 239	OFF
DNP Binary Input Point 240	OFF
DNP Binary Input Point 241	OFF
DNP Binary Input Point 242	OFF
DNP Binary Input Point 243	OFF
DNP Binary Input Point 244	OFF
DNP Binary Input Point 245	OFF
DNP Binary Input Point 246	OFF
DNP Binary Input Point 247	OFF
DNP Binary Input Point 248	OFF
DNP Binary Input Point 249	OFF
DNP Binary Input Point 250	OFF
DNP Binary Input Point 251	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 252	OFF
DNP Binary Input Point 253	OFF
DNP Binary Input Point 254	OFF
DNP Binary Input Point 255	OFF
DNP Analog Input Point 0	Prefault Ia Mag [1]
DNP Analog Input Point 1	Prefault Ib Mag [1]
DNP Analog Input Point 2	Prefault Ic Mag [1]
DNP Analog Input Point 3	Prefault Va Mag [1]
DNP Analog Input Point 4	Prefault Vb Mag [1]
DNP Analog Input Point 5	Prefault Vc Mag [1]
DNP Analog Input Point 6	Fault Ia Mag [1]
DNP Analog Input Point 7	Fault Ib Mag [1]
DNP Analog Input Point 8	Fault Ic Mag [1]
DNP Analog Input Point 9	Fault Va Mag [1]
DNP Analog Input Point 10	Fault Vb Mag [1]
DNP Analog Input Point 11	Fault Vc Mag [1]
DNP Analog Input Point 12	Fault Type [1]
DNP Analog Input Point 13	Fault Location [1]
DNP Analog Input Point 14	SRC1 Vab Mag
DNP Analog Input Point 15	SRC1 Vbc Mag
DNP Analog Input Point 16	SRC1 Vca Mag
DNP Analog Input Point 17	SRC1 V_1 Mag
DNP Analog Input Point 18	SRC1 Vx Mag
DNP Analog Input Point 19	SRC1 Ia Mag
DNP Analog Input Point 20	SRC1 Ib Mag
DNP Analog Input Point 21	SRC1 Ic Mag
DNP Analog Input Point 22	SRC1 I_1 Mag
DNP Analog Input Point 23	SRC1 P
DNP Analog Input Point 24	SRC1 Q
DNP Analog Input Point 25	SRC1 S
DNP Analog Input Point 26	SRC1 PF
DNP Analog Input Point 27	SRC1 Frequency
DNP Analog Input Point 28	SRC2 Vab Mag
DNP Analog Input Point 29	SRC2 Vbc Mag
DNP Analog Input Point 30	SRC2 Vca Mag
DNP Analog Input Point 31	SRC2 V_1 Mag
DNP Analog Input Point 32	SRC2 Vx Mag
DNP Analog Input Point 33	SRC2 Ia Mag
DNP Analog Input Point 34	SRC2 Ib Mag
DNP Analog Input Point 35	SRC2 Ic Mag
DNP Analog Input Point 36	SRC2 I_1 Mag
DNP Analog Input Point 37	SRC2 P
DNP Analog Input Point 38	SRC2 Q
DNP Analog Input Point 39	SRC2 S
DNP Analog Input Point 40	SRC2 PF
DNP Analog Input Point 41	SRC2 Frequency
DNP Analog Input Point 42	OFF
DNP Analog Input Point 43	OFF
DNP Analog Input Point 44	OFF
DNP Analog Input Point 45	OFF
DNP Analog Input Point 46	OFF
DNP Analog Input Point 47	OFF
DNP Analog Input Point 48	OFF
DNP Analog Input Point 49	OFF
DNP Analog Input Point 50	OFF
DNP Analog Input Point 51	OFF
DNP Analog Input Point 52	OFF
DNP Analog Input Point 53	OFF
DNP Analog Input Point 54	OFF
DNP Analog Input Point 55	OFF
DNP Analog Input Point 56	OFF
DNP Analog Input Point 57	OFF
DNP Analog Input Point 58	OFF
DNP Analog Input Point 59	OFF
DNP Analog Input Point 60	OFF
DNP Analog Input Point 61	OFF
DNP Analog Input Point 62	OFF
DNP Analog Input Point 63	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 64	OFF
DNP Analog Input Point 65	OFF
DNP Analog Input Point 66	OFF
DNP Analog Input Point 67	OFF
DNP Analog Input Point 68	OFF
DNP Analog Input Point 69	OFF
DNP Analog Input Point 70	OFF
DNP Analog Input Point 71	OFF
DNP Analog Input Point 72	OFF
DNP Analog Input Point 73	OFF
DNP Analog Input Point 74	OFF
DNP Analog Input Point 75	OFF
DNP Analog Input Point 76	OFF
DNP Analog Input Point 77	OFF
DNP Analog Input Point 78	OFF
DNP Analog Input Point 79	OFF
DNP Analog Input Point 80	OFF
DNP Analog Input Point 81	OFF
DNP Analog Input Point 82	OFF
DNP Analog Input Point 83	OFF
DNP Analog Input Point 84	OFF
DNP Analog Input Point 85	OFF
DNP Analog Input Point 86	OFF
DNP Analog Input Point 87	OFF
DNP Analog Input Point 88	OFF
DNP Analog Input Point 89	OFF
DNP Analog Input Point 90	OFF
DNP Analog Input Point 91	OFF
DNP Analog Input Point 92	OFF
DNP Analog Input Point 93	OFF
DNP Analog Input Point 94	OFF
DNP Analog Input Point 95	OFF
DNP Analog Input Point 96	OFF
DNP Analog Input Point 97	OFF
DNP Analog Input Point 98	OFF
DNP Analog Input Point 99	OFF
DNP Analog Input Point 100	OFF
DNP Analog Input Point 101	OFF
DNP Analog Input Point 102	OFF
DNP Analog Input Point 103	OFF
DNP Analog Input Point 104	OFF
DNP Analog Input Point 105	OFF
DNP Analog Input Point 106	OFF
DNP Analog Input Point 107	OFF
DNP Analog Input Point 108	OFF
DNP Analog Input Point 109	OFF
DNP Analog Input Point 110	OFF
DNP Analog Input Point 111	OFF
DNP Analog Input Point 112	OFF
DNP Analog Input Point 113	OFF
DNP Analog Input Point 114	OFF
DNP Analog Input Point 115	OFF
DNP Analog Input Point 116	OFF
DNP Analog Input Point 117	OFF
DNP Analog Input Point 118	OFF
DNP Analog Input Point 119	OFF
DNP Analog Input Point 120	OFF
DNP Analog Input Point 121	OFF
DNP Analog Input Point 122	OFF
DNP Analog Input Point 123	OFF
DNP Analog Input Point 124	OFF
DNP Analog Input Point 125	OFF
DNP Analog Input Point 126	OFF
DNP Analog Input Point 127	OFF
DNP Analog Input Point 128	OFF
DNP Analog Input Point 129	OFF
DNP Analog Input Point 130	OFF
DNP Analog Input Point 131	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 132	OFF
DNP Analog Input Point 133	OFF
DNP Analog Input Point 134	OFF
DNP Analog Input Point 135	OFF
DNP Analog Input Point 136	OFF
DNP Analog Input Point 137	OFF
DNP Analog Input Point 138	OFF
DNP Analog Input Point 139	OFF
DNP Analog Input Point 140	OFF
DNP Analog Input Point 141	OFF
DNP Analog Input Point 142	OFF
DNP Analog Input Point 143	OFF
DNP Analog Input Point 144	OFF
DNP Analog Input Point 145	OFF
DNP Analog Input Point 146	OFF
DNP Analog Input Point 147	OFF
DNP Analog Input Point 148	OFF
DNP Analog Input Point 149	OFF
DNP Analog Input Point 150	OFF
DNP Analog Input Point 151	OFF
DNP Analog Input Point 152	OFF
DNP Analog Input Point 153	OFF
DNP Analog Input Point 154	OFF
DNP Analog Input Point 155	OFF
DNP Analog Input Point 156	OFF
DNP Analog Input Point 157	OFF
DNP Analog Input Point 158	OFF
DNP Analog Input Point 159	OFF
DNP Analog Input Point 160	OFF
DNP Analog Input Point 161	OFF
DNP Analog Input Point 162	OFF
DNP Analog Input Point 163	OFF
DNP Analog Input Point 164	OFF
DNP Analog Input Point 165	OFF
DNP Analog Input Point 166	OFF
DNP Analog Input Point 167	OFF
DNP Analog Input Point 168	OFF
DNP Analog Input Point 169	OFF
DNP Analog Input Point 170	OFF
DNP Analog Input Point 171	OFF
DNP Analog Input Point 172	OFF
DNP Analog Input Point 173	OFF
DNP Analog Input Point 174	OFF
DNP Analog Input Point 175	OFF
DNP Analog Input Point 176	OFF
DNP Analog Input Point 177	OFF
DNP Analog Input Point 178	OFF
DNP Analog Input Point 179	OFF
DNP Analog Input Point 180	OFF
DNP Analog Input Point 181	OFF
DNP Analog Input Point 182	OFF
DNP Analog Input Point 183	OFF
DNP Analog Input Point 184	OFF
DNP Analog Input Point 185	OFF
DNP Analog Input Point 186	OFF
DNP Analog Input Point 187	OFF
DNP Analog Input Point 188	OFF
DNP Analog Input Point 189	OFF
DNP Analog Input Point 190	OFF
DNP Analog Input Point 191	OFF
DNP Analog Input Point 192	OFF
DNP Analog Input Point 193	OFF
DNP Analog Input Point 194	OFF
DNP Analog Input Point 195	OFF
DNP Analog Input Point 196	OFF
DNP Analog Input Point 197	OFF
DNP Analog Input Point 198	OFF
DNP Analog Input Point 199	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 200	OFF
DNP Analog Input Point 201	OFF
DNP Analog Input Point 202	OFF
DNP Analog Input Point 203	OFF
DNP Analog Input Point 204	OFF
DNP Analog Input Point 205	OFF
DNP Analog Input Point 206	OFF
DNP Analog Input Point 207	OFF
DNP Analog Input Point 208	OFF
DNP Analog Input Point 209	OFF
DNP Analog Input Point 210	OFF
DNP Analog Input Point 211	OFF
DNP Analog Input Point 212	OFF
DNP Analog Input Point 213	OFF
DNP Analog Input Point 214	OFF
DNP Analog Input Point 215	OFF
DNP Analog Input Point 216	OFF
DNP Analog Input Point 217	OFF
DNP Analog Input Point 218	OFF
DNP Analog Input Point 219	OFF
DNP Analog Input Point 220	OFF
DNP Analog Input Point 221	OFF
DNP Analog Input Point 222	OFF
DNP Analog Input Point 223	OFF
DNP Analog Input Point 224	OFF
DNP Analog Input Point 225	OFF
DNP Analog Input Point 226	OFF
DNP Analog Input Point 227	OFF
DNP Analog Input Point 228	OFF
DNP Analog Input Point 229	OFF
DNP Analog Input Point 230	OFF
DNP Analog Input Point 231	OFF
DNP Analog Input Point 232	OFF
DNP Analog Input Point 233	OFF
DNP Analog Input Point 234	OFF
DNP Analog Input Point 235	OFF
DNP Analog Input Point 236	OFF
DNP Analog Input Point 237	OFF
DNP Analog Input Point 238	OFF
DNP Analog Input Point 239	OFF
DNP Analog Input Point 240	OFF
DNP Analog Input Point 241	OFF
DNP Analog Input Point 242	OFF
DNP Analog Input Point 243	OFF
DNP Analog Input Point 244	OFF
DNP Analog Input Point 245	OFF
DNP Analog Input Point 246	OFF
DNP Analog Input Point 247	OFF
DNP Analog Input Point 248	OFF
DNP Analog Input Point 249	OFF
DNP Analog Input Point 250	OFF
DNP Analog Input Point 251	OFF
DNP Analog Input Point 252	OFF
DNP Analog Input Point 253	OFF
DNP Analog Input Point 254	OFF
DNP Analog Input Point 255	OFF

IEC 61850

GSSE / GOOSE CONFIGURATION

TRANSMISSION

GENERAL

Default GSSE/GOOSE Update Time 1 s

GSSE

Function	Enabled
ID	EML-PAR-B3-21S2-D60
Destination MAC	00 00 00 00 00 00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FIXED GOOSE

Function	Disabled
ID	EML-PAR-B3-21S2-D60
Destination MAC	00 00 00 00 00 00
VLAN Priority	4
VLAN ID	0
ETYPE APPID	0

TX CONFIGURABLE GOOSE

GOOSEOut 1 Function	Disabled
GOOSEOut 1 ID	GOOSEOut_1
GOOSEOut 1 Destination MAC	00 00 00 00 00 00
GOOSEOut 1 VLAN Priority	4
GOOSEOut 1 VLAN ID	0
GOOSEOut 1 ETYPE APPID	0
GOOSEOut 1 ConfRev	1
GOOSEOut 1 Retransmission Curve	Relaxed
GOOSEOut 1 Dataset Item 1	None
GOOSEOut 1 Dataset Item 2	None
GOOSEOut 1 Dataset Item 3	None
GOOSEOut 1 Dataset Item 4	None
GOOSEOut 1 Dataset Item 5	None
GOOSEOut 1 Dataset Item 6	None
GOOSEOut 1 Dataset Item 7	None
GOOSEOut 1 Dataset Item 8	None
GOOSEOut 1 Dataset Item 9	None
GOOSEOut 1 Dataset Item 10	None
GOOSEOut 1 Dataset Item 11	None
GOOSEOut 1 Dataset Item 12	None
GOOSEOut 1 Dataset Item 13	None
GOOSEOut 1 Dataset Item 14	None
GOOSEOut 1 Dataset Item 15	None
GOOSEOut 1 Dataset Item 16	None
GOOSEOut 1 Dataset Item 17	None
GOOSEOut 1 Dataset Item 18	None
GOOSEOut 1 Dataset Item 19	None
GOOSEOut 1 Dataset Item 20	None
GOOSEOut 1 Dataset Item 21	None
GOOSEOut 1 Dataset Item 22	None
GOOSEOut 1 Dataset Item 23	None
GOOSEOut 1 Dataset Item 24	None
GOOSEOut 1 Dataset Item 25	None
GOOSEOut 1 Dataset Item 26	None
GOOSEOut 1 Dataset Item 27	None
GOOSEOut 1 Dataset Item 28	None
GOOSEOut 1 Dataset Item 29	None
GOOSEOut 1 Dataset Item 30	None
GOOSEOut 1 Dataset Item 31	None
GOOSEOut 1 Dataset Item 32	None
GOOSEOut 1 Dataset Item 33	None
GOOSEOut 1 Dataset Item 34	None
GOOSEOut 1 Dataset Item 35	None
GOOSEOut 1 Dataset Item 36	None
GOOSEOut 1 Dataset Item 37	None
GOOSEOut 1 Dataset Item 38	None
GOOSEOut 1 Dataset Item 39	None
GOOSEOut 1 Dataset Item 40	None
GOOSEOut 1 Dataset Item 41	None
GOOSEOut 1 Dataset Item 42	None
GOOSEOut 1 Dataset Item 43	None
GOOSEOut 1 Dataset Item 44	None
GOOSEOut 1 Dataset Item 45	None
GOOSEOut 1 Dataset Item 46	None
GOOSEOut 1 Dataset Item 47	None
GOOSEOut 1 Dataset Item 48	None
GOOSEOut 1 Dataset Item 49	None
GOOSEOut 1 Dataset Item 50	None
GOOSEOut 1 Dataset Item 51	None
GOOSEOut 1 Dataset Item 52	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 1 Dataset Item 53	None
GOOSEOut 1 Dataset Item 54	None
GOOSEOut 1 Dataset Item 55	None
GOOSEOut 1 Dataset Item 56	None
GOOSEOut 1 Dataset Item 57	None
GOOSEOut 1 Dataset Item 58	None
GOOSEOut 1 Dataset Item 59	None
GOOSEOut 1 Dataset Item 60	None
GOOSEOut 1 Dataset Item 61	None
GOOSEOut 1 Dataset Item 62	None
GOOSEOut 1 Dataset Item 63	None
GOOSEOut 1 Dataset Item 64	None
GOOSEOut 2 Function	Disabled
GOOSEOut 2 ID	GOOSEOut_2
GOOSEOut 2 Destination MAC	00 00 00 00 00 00
GOOSEOut 2 VLAN Priority	4
GOOSEOut 2 VLAN ID	0
GOOSEOut 2 ETYPE APPID	0
GOOSEOut 2 ConfRev	1
GOOSEOut 2 Retransmission Curve	Relaxed
GOOSEOut 2 Dataset Item 1	None
GOOSEOut 2 Dataset Item 2	None
GOOSEOut 2 Dataset Item 3	None
GOOSEOut 2 Dataset Item 4	None
GOOSEOut 2 Dataset Item 5	None
GOOSEOut 2 Dataset Item 6	None
GOOSEOut 2 Dataset Item 7	None
GOOSEOut 2 Dataset Item 8	None
GOOSEOut 2 Dataset Item 9	None
GOOSEOut 2 Dataset Item 10	None
GOOSEOut 2 Dataset Item 11	None
GOOSEOut 2 Dataset Item 12	None
GOOSEOut 2 Dataset Item 13	None
GOOSEOut 2 Dataset Item 14	None
GOOSEOut 2 Dataset Item 15	None
GOOSEOut 2 Dataset Item 16	None
GOOSEOut 2 Dataset Item 17	None
GOOSEOut 2 Dataset Item 18	None
GOOSEOut 2 Dataset Item 19	None
GOOSEOut 2 Dataset Item 20	None
GOOSEOut 2 Dataset Item 21	None
GOOSEOut 2 Dataset Item 22	None
GOOSEOut 2 Dataset Item 23	None
GOOSEOut 2 Dataset Item 24	None
GOOSEOut 2 Dataset Item 25	None
GOOSEOut 2 Dataset Item 26	None
GOOSEOut 2 Dataset Item 27	None
GOOSEOut 2 Dataset Item 28	None
GOOSEOut 2 Dataset Item 29	None
GOOSEOut 2 Dataset Item 30	None
GOOSEOut 2 Dataset Item 31	None
GOOSEOut 2 Dataset Item 32	None
GOOSEOut 2 Dataset Item 33	None
GOOSEOut 2 Dataset Item 34	None
GOOSEOut 2 Dataset Item 35	None
GOOSEOut 2 Dataset Item 36	None
GOOSEOut 2 Dataset Item 37	None
GOOSEOut 2 Dataset Item 38	None
GOOSEOut 2 Dataset Item 39	None
GOOSEOut 2 Dataset Item 40	None
GOOSEOut 2 Dataset Item 41	None
GOOSEOut 2 Dataset Item 42	None
GOOSEOut 2 Dataset Item 43	None
GOOSEOut 2 Dataset Item 44	None
GOOSEOut 2 Dataset Item 45	None
GOOSEOut 2 Dataset Item 46	None
GOOSEOut 2 Dataset Item 47	None
GOOSEOut 2 Dataset Item 48	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 2 Dataset Item 49	None
GOOSEOut 2 Dataset Item 50	None
GOOSEOut 2 Dataset Item 51	None
GOOSEOut 2 Dataset Item 52	None
GOOSEOut 2 Dataset Item 53	None
GOOSEOut 2 Dataset Item 54	None
GOOSEOut 2 Dataset Item 55	None
GOOSEOut 2 Dataset Item 56	None
GOOSEOut 2 Dataset Item 57	None
GOOSEOut 2 Dataset Item 58	None
GOOSEOut 2 Dataset Item 59	None
GOOSEOut 2 Dataset Item 60	None
GOOSEOut 2 Dataset Item 61	None
GOOSEOut 2 Dataset Item 62	None
GOOSEOut 2 Dataset Item 63	None
GOOSEOut 2 Dataset Item 64	None
GOOSEOut 3 Function	Disabled
GOOSEOut 3 ID	GOOSEOut_3
GOOSEOut 3 Destination MAC	00 00 00 00 00 00
GOOSEOut 3 VLAN Priority	4
GOOSEOut 3 VLAN ID	0
GOOSEOut 3 ETYPE APPID	0
GOOSEOut 3 ConfRev	1
GOOSEOut 3 Retransmission Curve	Relaxed
GOOSEOut 3 Dataset Item 1	None
GOOSEOut 3 Dataset Item 2	None
GOOSEOut 3 Dataset Item 3	None
GOOSEOut 3 Dataset Item 4	None
GOOSEOut 3 Dataset Item 5	None
GOOSEOut 3 Dataset Item 6	None
GOOSEOut 3 Dataset Item 7	None
GOOSEOut 3 Dataset Item 8	None
GOOSEOut 3 Dataset Item 9	None
GOOSEOut 3 Dataset Item 10	None
GOOSEOut 3 Dataset Item 11	None
GOOSEOut 3 Dataset Item 12	None
GOOSEOut 3 Dataset Item 13	None
GOOSEOut 3 Dataset Item 14	None
GOOSEOut 3 Dataset Item 15	None
GOOSEOut 3 Dataset Item 16	None
GOOSEOut 3 Dataset Item 17	None
GOOSEOut 3 Dataset Item 18	None
GOOSEOut 3 Dataset Item 19	None
GOOSEOut 3 Dataset Item 20	None
GOOSEOut 3 Dataset Item 21	None
GOOSEOut 3 Dataset Item 22	None
GOOSEOut 3 Dataset Item 23	None
GOOSEOut 3 Dataset Item 24	None
GOOSEOut 3 Dataset Item 25	None
GOOSEOut 3 Dataset Item 26	None
GOOSEOut 3 Dataset Item 27	None
GOOSEOut 3 Dataset Item 28	None
GOOSEOut 3 Dataset Item 29	None
GOOSEOut 3 Dataset Item 30	None
GOOSEOut 3 Dataset Item 31	None
GOOSEOut 3 Dataset Item 32	None
GOOSEOut 3 Dataset Item 33	None
GOOSEOut 3 Dataset Item 34	None
GOOSEOut 3 Dataset Item 35	None
GOOSEOut 3 Dataset Item 36	None
GOOSEOut 3 Dataset Item 37	None
GOOSEOut 3 Dataset Item 38	None
GOOSEOut 3 Dataset Item 39	None
GOOSEOut 3 Dataset Item 40	None
GOOSEOut 3 Dataset Item 41	None
GOOSEOut 3 Dataset Item 42	None
GOOSEOut 3 Dataset Item 43	None
GOOSEOut 3 Dataset Item 44	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 3 Dataset Item 45	None
GOOSEOut 3 Dataset Item 46	None
GOOSEOut 3 Dataset Item 47	None
GOOSEOut 3 Dataset Item 48	None
GOOSEOut 3 Dataset Item 49	None
GOOSEOut 3 Dataset Item 50	None
GOOSEOut 3 Dataset Item 51	None
GOOSEOut 3 Dataset Item 52	None
GOOSEOut 3 Dataset Item 53	None
GOOSEOut 3 Dataset Item 54	None
GOOSEOut 3 Dataset Item 55	None
GOOSEOut 3 Dataset Item 56	None
GOOSEOut 3 Dataset Item 57	None
GOOSEOut 3 Dataset Item 58	None
GOOSEOut 3 Dataset Item 59	None
GOOSEOut 3 Dataset Item 60	None
GOOSEOut 3 Dataset Item 61	None
GOOSEOut 3 Dataset Item 62	None
GOOSEOut 3 Dataset Item 63	None
GOOSEOut 3 Dataset Item 64	None
GOOSEOut 4 Function	Disabled
GOOSEOut 4 ID	GOOSEOut_4
GOOSEOut 4 Destination MAC	00 00 00 00 00 00
GOOSEOut 4 VLAN Priority	4
GOOSEOut 4 VLAN ID	0
GOOSEOut 4 ETYPE APPID	0
GOOSEOut 4 ConfRev	1
GOOSEOut 4 Retransmission Curve	Relaxed
GOOSEOut 4 Dataset Item 1	None
GOOSEOut 4 Dataset Item 2	None
GOOSEOut 4 Dataset Item 3	None
GOOSEOut 4 Dataset Item 4	None
GOOSEOut 4 Dataset Item 5	None
GOOSEOut 4 Dataset Item 6	None
GOOSEOut 4 Dataset Item 7	None
GOOSEOut 4 Dataset Item 8	None
GOOSEOut 4 Dataset Item 9	None
GOOSEOut 4 Dataset Item 10	None
GOOSEOut 4 Dataset Item 11	None
GOOSEOut 4 Dataset Item 12	None
GOOSEOut 4 Dataset Item 13	None
GOOSEOut 4 Dataset Item 14	None
GOOSEOut 4 Dataset Item 15	None
GOOSEOut 4 Dataset Item 16	None
GOOSEOut 4 Dataset Item 17	None
GOOSEOut 4 Dataset Item 18	None
GOOSEOut 4 Dataset Item 19	None
GOOSEOut 4 Dataset Item 20	None
GOOSEOut 4 Dataset Item 21	None
GOOSEOut 4 Dataset Item 22	None
GOOSEOut 4 Dataset Item 23	None
GOOSEOut 4 Dataset Item 24	None
GOOSEOut 4 Dataset Item 25	None
GOOSEOut 4 Dataset Item 26	None
GOOSEOut 4 Dataset Item 27	None
GOOSEOut 4 Dataset Item 28	None
GOOSEOut 4 Dataset Item 29	None
GOOSEOut 4 Dataset Item 30	None
GOOSEOut 4 Dataset Item 31	None
GOOSEOut 4 Dataset Item 32	None
GOOSEOut 4 Dataset Item 33	None
GOOSEOut 4 Dataset Item 34	None
GOOSEOut 4 Dataset Item 35	None
GOOSEOut 4 Dataset Item 36	None
GOOSEOut 4 Dataset Item 37	None
GOOSEOut 4 Dataset Item 38	None
GOOSEOut 4 Dataset Item 39	None
GOOSEOut 4 Dataset Item 40	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 4 Dataset Item 41	None
GOOSEOut 4 Dataset Item 42	None
GOOSEOut 4 Dataset Item 43	None
GOOSEOut 4 Dataset Item 44	None
GOOSEOut 4 Dataset Item 45	None
GOOSEOut 4 Dataset Item 46	None
GOOSEOut 4 Dataset Item 47	None
GOOSEOut 4 Dataset Item 48	None
GOOSEOut 4 Dataset Item 49	None
GOOSEOut 4 Dataset Item 50	None
GOOSEOut 4 Dataset Item 51	None
GOOSEOut 4 Dataset Item 52	None
GOOSEOut 4 Dataset Item 53	None
GOOSEOut 4 Dataset Item 54	None
GOOSEOut 4 Dataset Item 55	None
GOOSEOut 4 Dataset Item 56	None
GOOSEOut 4 Dataset Item 57	None
GOOSEOut 4 Dataset Item 58	None
GOOSEOut 4 Dataset Item 59	None
GOOSEOut 4 Dataset Item 60	None
GOOSEOut 4 Dataset Item 61	None
GOOSEOut 4 Dataset Item 62	None
GOOSEOut 4 Dataset Item 63	None
GOOSEOut 4 Dataset Item 64	None
GOOSEOut 5 Function	Enabled
GOOSEOut 5 ID	AN-5-EML-PAR-B3-21S2-D60
GOOSEOut 5 Destination MAC	00 00 00 00 00 00
GOOSEOut 5 VLAN Priority	4
GOOSEOut 5 VLAN ID	0
GOOSEOut 5 ETYPE APPID	0
GOOSEOut 5 ConfRev	1
GOOSEOut 5 Retransmission Curve	Relaxed
GOOSEOut 5 Dataset Item 1	GGIO4.MX.AnIn1.mag.f
GOOSEOut 5 Dataset Item 2	GGIO4.MX.AnIn2.mag.f
GOOSEOut 5 Dataset Item 3	GGIO4.MX.AnIn3.mag.f
GOOSEOut 5 Dataset Item 4	GGIO4.MX.AnIn4.mag.f
GOOSEOut 5 Dataset Item 5	GGIO4.MX.AnIn5.mag.f
GOOSEOut 5 Dataset Item 6	GGIO4.MX.AnIn6.mag.f
GOOSEOut 5 Dataset Item 7	GGIO4.MX.AnIn7.mag.f
GOOSEOut 5 Dataset Item 8	GGIO4.MX.AnIn8.mag.f
GOOSEOut 5 Dataset Item 9	GGIO4.MX.AnIn9.mag.f
GOOSEOut 5 Dataset Item 10	GGIO4.MX.AnIn10.mag.f
GOOSEOut 5 Dataset Item 11	GGIO4.MX.AnIn11.mag.f
GOOSEOut 5 Dataset Item 12	GGIO4.MX.AnIn12.mag.f
GOOSEOut 5 Dataset Item 13	GGIO4.MX.AnIn13.mag.f
GOOSEOut 5 Dataset Item 14	GGIO4.MX.AnIn14.mag.f
GOOSEOut 5 Dataset Item 15	GGIO4.MX.AnIn15.mag.f
GOOSEOut 5 Dataset Item 16	None
GOOSEOut 5 Dataset Item 17	None
GOOSEOut 5 Dataset Item 18	None
GOOSEOut 5 Dataset Item 19	None
GOOSEOut 5 Dataset Item 20	None
GOOSEOut 5 Dataset Item 21	None
GOOSEOut 5 Dataset Item 22	None
GOOSEOut 5 Dataset Item 23	None
GOOSEOut 5 Dataset Item 24	None
GOOSEOut 5 Dataset Item 25	None
GOOSEOut 5 Dataset Item 26	None
GOOSEOut 5 Dataset Item 27	None
GOOSEOut 5 Dataset Item 28	None
GOOSEOut 5 Dataset Item 29	None
GOOSEOut 5 Dataset Item 30	None
GOOSEOut 5 Dataset Item 31	None
GOOSEOut 5 Dataset Item 32	None
GOOSEOut 5 Dataset Item 33	None
GOOSEOut 5 Dataset Item 34	None
GOOSEOut 5 Dataset Item 35	None
GOOSEOut 5 Dataset Item 36	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 5 Dataset Item 37	None
GOOSEOut 5 Dataset Item 38	None
GOOSEOut 5 Dataset Item 39	None
GOOSEOut 5 Dataset Item 40	None
GOOSEOut 5 Dataset Item 41	None
GOOSEOut 5 Dataset Item 42	None
GOOSEOut 5 Dataset Item 43	None
GOOSEOut 5 Dataset Item 44	None
GOOSEOut 5 Dataset Item 45	None
GOOSEOut 5 Dataset Item 46	None
GOOSEOut 5 Dataset Item 47	None
GOOSEOut 5 Dataset Item 48	None
GOOSEOut 5 Dataset Item 49	None
GOOSEOut 5 Dataset Item 50	None
GOOSEOut 5 Dataset Item 51	None
GOOSEOut 5 Dataset Item 52	None
GOOSEOut 5 Dataset Item 53	None
GOOSEOut 5 Dataset Item 54	None
GOOSEOut 5 Dataset Item 55	None
GOOSEOut 5 Dataset Item 56	None
GOOSEOut 5 Dataset Item 57	None
GOOSEOut 5 Dataset Item 58	None
GOOSEOut 5 Dataset Item 59	None
GOOSEOut 5 Dataset Item 60	None
GOOSEOut 5 Dataset Item 61	None
GOOSEOut 5 Dataset Item 62	None
GOOSEOut 5 Dataset Item 63	None
GOOSEOut 5 Dataset Item 64	None
GOOSEOut 6 Function	Disabled
GOOSEOut 6 ID	GOOSEOut_6
GOOSEOut 6 Destination MAC	00 00 00 00 00 00
GOOSEOut 6 VLAN Priority	4
GOOSEOut 6 VLAN ID	0
GOOSEOut 6 ETYPE APPID	0
GOOSEOut 6 ConfRev	1
GOOSEOut 6 Retransmission Curve	Relaxed
GOOSEOut 6 Dataset Item 1	None
GOOSEOut 6 Dataset Item 2	None
GOOSEOut 6 Dataset Item 3	None
GOOSEOut 6 Dataset Item 4	None
GOOSEOut 6 Dataset Item 5	None
GOOSEOut 6 Dataset Item 6	None
GOOSEOut 6 Dataset Item 7	None
GOOSEOut 6 Dataset Item 8	None
GOOSEOut 6 Dataset Item 9	None
GOOSEOut 6 Dataset Item 10	None
GOOSEOut 6 Dataset Item 11	None
GOOSEOut 6 Dataset Item 12	None
GOOSEOut 6 Dataset Item 13	None
GOOSEOut 6 Dataset Item 14	None
GOOSEOut 6 Dataset Item 15	None
GOOSEOut 6 Dataset Item 16	None
GOOSEOut 6 Dataset Item 17	None
GOOSEOut 6 Dataset Item 18	None
GOOSEOut 6 Dataset Item 19	None
GOOSEOut 6 Dataset Item 20	None
GOOSEOut 6 Dataset Item 21	None
GOOSEOut 6 Dataset Item 22	None
GOOSEOut 6 Dataset Item 23	None
GOOSEOut 6 Dataset Item 24	None
GOOSEOut 6 Dataset Item 25	None
GOOSEOut 6 Dataset Item 26	None
GOOSEOut 6 Dataset Item 27	None
GOOSEOut 6 Dataset Item 28	None
GOOSEOut 6 Dataset Item 29	None
GOOSEOut 6 Dataset Item 30	None
GOOSEOut 6 Dataset Item 31	None
GOOSEOut 6 Dataset Item 32	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 6 Dataset Item 33	None
GOOSEOut 6 Dataset Item 34	None
GOOSEOut 6 Dataset Item 35	None
GOOSEOut 6 Dataset Item 36	None
GOOSEOut 6 Dataset Item 37	None
GOOSEOut 6 Dataset Item 38	None
GOOSEOut 6 Dataset Item 39	None
GOOSEOut 6 Dataset Item 40	None
GOOSEOut 6 Dataset Item 41	None
GOOSEOut 6 Dataset Item 42	None
GOOSEOut 6 Dataset Item 43	None
GOOSEOut 6 Dataset Item 44	None
GOOSEOut 6 Dataset Item 45	None
GOOSEOut 6 Dataset Item 46	None
GOOSEOut 6 Dataset Item 47	None
GOOSEOut 6 Dataset Item 48	None
GOOSEOut 6 Dataset Item 49	None
GOOSEOut 6 Dataset Item 50	None
GOOSEOut 6 Dataset Item 51	None
GOOSEOut 6 Dataset Item 52	None
GOOSEOut 6 Dataset Item 53	None
GOOSEOut 6 Dataset Item 54	None
GOOSEOut 6 Dataset Item 55	None
GOOSEOut 6 Dataset Item 56	None
GOOSEOut 6 Dataset Item 57	None
GOOSEOut 6 Dataset Item 58	None
GOOSEOut 6 Dataset Item 59	None
GOOSEOut 6 Dataset Item 60	None
GOOSEOut 6 Dataset Item 61	None
GOOSEOut 6 Dataset Item 62	None
GOOSEOut 6 Dataset Item 63	None
GOOSEOut 6 Dataset Item 64	None
GOOSEOut 7 Function	Disabled
GOOSEOut 7 ID	GOOSEOut_7
GOOSEOut 7 Destination MAC	00 00 00 00 00 00
GOOSEOut 7 VLAN Priority	4
GOOSEOut 7 VLAN ID	0
GOOSEOut 7 ETYPE APPID	0
GOOSEOut 7 ConfRev	22
GOOSEOut 7 Retransmission Curve	Relaxed
GOOSEOut 7 Dataset Item 1	None
GOOSEOut 7 Dataset Item 2	None
GOOSEOut 7 Dataset Item 3	None
GOOSEOut 7 Dataset Item 4	None
GOOSEOut 7 Dataset Item 5	None
GOOSEOut 7 Dataset Item 6	None
GOOSEOut 7 Dataset Item 7	None
GOOSEOut 7 Dataset Item 8	None
GOOSEOut 7 Dataset Item 9	None
GOOSEOut 7 Dataset Item 10	None
GOOSEOut 7 Dataset Item 11	None
GOOSEOut 7 Dataset Item 12	None
GOOSEOut 7 Dataset Item 13	None
GOOSEOut 7 Dataset Item 14	None
GOOSEOut 7 Dataset Item 15	None
GOOSEOut 7 Dataset Item 16	None
GOOSEOut 7 Dataset Item 17	None
GOOSEOut 7 Dataset Item 18	None
GOOSEOut 7 Dataset Item 19	None
GOOSEOut 7 Dataset Item 20	None
GOOSEOut 7 Dataset Item 21	None
GOOSEOut 7 Dataset Item 22	None
GOOSEOut 7 Dataset Item 23	None
GOOSEOut 7 Dataset Item 24	None
GOOSEOut 7 Dataset Item 25	None
GOOSEOut 7 Dataset Item 26	None
GOOSEOut 7 Dataset Item 27	None
GOOSEOut 7 Dataset Item 28	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 7 Dataset Item 29	None
GOOSEOut 7 Dataset Item 30	None
GOOSEOut 7 Dataset Item 31	None
GOOSEOut 7 Dataset Item 32	None
GOOSEOut 7 Dataset Item 33	None
GOOSEOut 7 Dataset Item 34	None
GOOSEOut 7 Dataset Item 35	None
GOOSEOut 7 Dataset Item 36	None
GOOSEOut 7 Dataset Item 37	None
GOOSEOut 7 Dataset Item 38	None
GOOSEOut 7 Dataset Item 39	None
GOOSEOut 7 Dataset Item 40	None
GOOSEOut 7 Dataset Item 41	None
GOOSEOut 7 Dataset Item 42	None
GOOSEOut 7 Dataset Item 43	None
GOOSEOut 7 Dataset Item 44	None
GOOSEOut 7 Dataset Item 45	None
GOOSEOut 7 Dataset Item 46	None
GOOSEOut 7 Dataset Item 47	None
GOOSEOut 7 Dataset Item 48	None
GOOSEOut 7 Dataset Item 49	None
GOOSEOut 7 Dataset Item 50	None
GOOSEOut 7 Dataset Item 51	None
GOOSEOut 7 Dataset Item 52	None
GOOSEOut 7 Dataset Item 53	None
GOOSEOut 7 Dataset Item 54	None
GOOSEOut 7 Dataset Item 55	None
GOOSEOut 7 Dataset Item 56	None
GOOSEOut 7 Dataset Item 57	None
GOOSEOut 7 Dataset Item 58	None
GOOSEOut 7 Dataset Item 59	None
GOOSEOut 7 Dataset Item 60	None
GOOSEOut 7 Dataset Item 61	None
GOOSEOut 7 Dataset Item 62	None
GOOSEOut 7 Dataset Item 63	None
GOOSEOut 7 Dataset Item 64	None
GOOSEOut 8 Function	Disabled
GOOSEOut 8 ID	GOOSEOut_8
GOOSEOut 8 Destination MAC	00 00 00 00 00 00
GOOSEOut 8 VLAN Priority	4
GOOSEOut 8 VLAN ID	0
GOOSEOut 8 ETYPE APPID	0
GOOSEOut 8 ConfRev	1
GOOSEOut 8 Retransmission Curve	Relaxed
GOOSEOut 8 Dataset Item 1	None
GOOSEOut 8 Dataset Item 2	None
GOOSEOut 8 Dataset Item 3	None
GOOSEOut 8 Dataset Item 4	None
GOOSEOut 8 Dataset Item 5	None
GOOSEOut 8 Dataset Item 6	None
GOOSEOut 8 Dataset Item 7	None
GOOSEOut 8 Dataset Item 8	None
GOOSEOut 8 Dataset Item 9	None
GOOSEOut 8 Dataset Item 10	None
GOOSEOut 8 Dataset Item 11	None
GOOSEOut 8 Dataset Item 12	None
GOOSEOut 8 Dataset Item 13	None
GOOSEOut 8 Dataset Item 14	None
GOOSEOut 8 Dataset Item 15	None
GOOSEOut 8 Dataset Item 16	None
GOOSEOut 8 Dataset Item 17	None
GOOSEOut 8 Dataset Item 18	None
GOOSEOut 8 Dataset Item 19	None
GOOSEOut 8 Dataset Item 20	None
GOOSEOut 8 Dataset Item 21	None
GOOSEOut 8 Dataset Item 22	None
GOOSEOut 8 Dataset Item 23	None
GOOSEOut 8 Dataset Item 24	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 8 Dataset Item 25	None
GOOSEOut 8 Dataset Item 26	None
GOOSEOut 8 Dataset Item 27	None
GOOSEOut 8 Dataset Item 28	None
GOOSEOut 8 Dataset Item 29	None
GOOSEOut 8 Dataset Item 30	None
GOOSEOut 8 Dataset Item 31	None
GOOSEOut 8 Dataset Item 32	None
GOOSEOut 8 Dataset Item 33	None
GOOSEOut 8 Dataset Item 34	None
GOOSEOut 8 Dataset Item 35	None
GOOSEOut 8 Dataset Item 36	None
GOOSEOut 8 Dataset Item 37	None
GOOSEOut 8 Dataset Item 38	None
GOOSEOut 8 Dataset Item 39	None
GOOSEOut 8 Dataset Item 40	None
GOOSEOut 8 Dataset Item 41	None
GOOSEOut 8 Dataset Item 42	None
GOOSEOut 8 Dataset Item 43	None
GOOSEOut 8 Dataset Item 44	None
GOOSEOut 8 Dataset Item 45	None
GOOSEOut 8 Dataset Item 46	None
GOOSEOut 8 Dataset Item 47	None
GOOSEOut 8 Dataset Item 48	None
GOOSEOut 8 Dataset Item 49	None
GOOSEOut 8 Dataset Item 50	None
GOOSEOut 8 Dataset Item 51	None
GOOSEOut 8 Dataset Item 52	None
GOOSEOut 8 Dataset Item 53	None
GOOSEOut 8 Dataset Item 54	None
GOOSEOut 8 Dataset Item 55	None
GOOSEOut 8 Dataset Item 56	None
GOOSEOut 8 Dataset Item 57	None
GOOSEOut 8 Dataset Item 58	None
GOOSEOut 8 Dataset Item 59	None
GOOSEOut 8 Dataset Item 60	None
GOOSEOut 8 Dataset Item 61	None
GOOSEOut 8 Dataset Item 62	None
GOOSEOut 8 Dataset Item 63	None
GOOSEOut 8 Dataset Item 64	None

RECEPTION

RX CONFIGURABLE GOOSE

GOOSEIn 1 Dataset Item 1	None
GOOSEIn 1 Dataset Item 2	None
GOOSEIn 1 Dataset Item 3	None
GOOSEIn 1 Dataset Item 4	None
GOOSEIn 1 Dataset Item 5	None
GOOSEIn 1 Dataset Item 6	None
GOOSEIn 1 Dataset Item 7	None
GOOSEIn 1 Dataset Item 8	None
GOOSEIn 1 Dataset Item 9	None
GOOSEIn 1 Dataset Item 10	None
GOOSEIn 1 Dataset Item 11	None
GOOSEIn 1 Dataset Item 12	None
GOOSEIn 1 Dataset Item 13	None
GOOSEIn 1 Dataset Item 14	None
GOOSEIn 1 Dataset Item 15	None
GOOSEIn 1 Dataset Item 16	None
GOOSEIn 1 Dataset Item 17	None
GOOSEIn 1 Dataset Item 18	None
GOOSEIn 1 Dataset Item 19	None
GOOSEIn 1 Dataset Item 20	None
GOOSEIn 1 Dataset Item 21	None
GOOSEIn 1 Dataset Item 22	None
GOOSEIn 1 Dataset Item 23	None
GOOSEIn 1 Dataset Item 24	None
GOOSEIn 1 Dataset Item 25	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 1 Dataset Item 26	None
GOOSEIn 1 Dataset Item 27	None
GOOSEIn 1 Dataset Item 28	None
GOOSEIn 1 Dataset Item 29	None
GOOSEIn 1 Dataset Item 30	None
GOOSEIn 1 Dataset Item 31	None
GOOSEIn 1 Dataset Item 32	None
GOOSEIn 1 Dataset Item 33	None
GOOSEIn 1 Dataset Item 34	None
GOOSEIn 1 Dataset Item 35	None
GOOSEIn 1 Dataset Item 36	None
GOOSEIn 1 Dataset Item 37	None
GOOSEIn 1 Dataset Item 38	None
GOOSEIn 1 Dataset Item 39	None
GOOSEIn 1 Dataset Item 40	None
GOOSEIn 1 Dataset Item 41	None
GOOSEIn 1 Dataset Item 42	None
GOOSEIn 1 Dataset Item 43	None
GOOSEIn 1 Dataset Item 44	None
GOOSEIn 1 Dataset Item 45	None
GOOSEIn 1 Dataset Item 46	None
GOOSEIn 1 Dataset Item 47	None
GOOSEIn 1 Dataset Item 48	None
GOOSEIn 1 Dataset Item 49	None
GOOSEIn 1 Dataset Item 50	None
GOOSEIn 1 Dataset Item 51	None
GOOSEIn 1 Dataset Item 52	None
GOOSEIn 1 Dataset Item 53	None
GOOSEIn 1 Dataset Item 54	None
GOOSEIn 1 Dataset Item 55	None
GOOSEIn 1 Dataset Item 56	None
GOOSEIn 1 Dataset Item 57	None
GOOSEIn 1 Dataset Item 58	None
GOOSEIn 1 Dataset Item 59	None
GOOSEIn 1 Dataset Item 60	None
GOOSEIn 1 Dataset Item 61	None
GOOSEIn 1 Dataset Item 62	None
GOOSEIn 1 Dataset Item 63	None
GOOSEIn 1 Dataset Item 64	None
GOOSEIn 2 Dataset Item 1	None
GOOSEIn 2 Dataset Item 2	None
GOOSEIn 2 Dataset Item 3	None
GOOSEIn 2 Dataset Item 4	None
GOOSEIn 2 Dataset Item 5	None
GOOSEIn 2 Dataset Item 6	None
GOOSEIn 2 Dataset Item 7	None
GOOSEIn 2 Dataset Item 8	None
GOOSEIn 2 Dataset Item 9	None
GOOSEIn 2 Dataset Item 10	None
GOOSEIn 2 Dataset Item 11	None
GOOSEIn 2 Dataset Item 12	None
GOOSEIn 2 Dataset Item 13	None
GOOSEIn 2 Dataset Item 14	None
GOOSEIn 2 Dataset Item 15	None
GOOSEIn 2 Dataset Item 16	None
GOOSEIn 2 Dataset Item 17	None
GOOSEIn 2 Dataset Item 18	None
GOOSEIn 2 Dataset Item 19	None
GOOSEIn 2 Dataset Item 20	None
GOOSEIn 2 Dataset Item 21	None
GOOSEIn 2 Dataset Item 22	None
GOOSEIn 2 Dataset Item 23	None
GOOSEIn 2 Dataset Item 24	None
GOOSEIn 2 Dataset Item 25	None
GOOSEIn 2 Dataset Item 26	None
GOOSEIn 2 Dataset Item 27	None
GOOSEIn 2 Dataset Item 28	None
GOOSEIn 2 Dataset Item 29	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 2 Dataset Item 30	None
GOOSEIn 2 Dataset Item 31	None
GOOSEIn 2 Dataset Item 32	None
GOOSEIn 2 Dataset Item 33	None
GOOSEIn 2 Dataset Item 34	None
GOOSEIn 2 Dataset Item 35	None
GOOSEIn 2 Dataset Item 36	None
GOOSEIn 2 Dataset Item 37	None
GOOSEIn 2 Dataset Item 38	None
GOOSEIn 2 Dataset Item 39	None
GOOSEIn 2 Dataset Item 40	None
GOOSEIn 2 Dataset Item 41	None
GOOSEIn 2 Dataset Item 42	None
GOOSEIn 2 Dataset Item 43	None
GOOSEIn 2 Dataset Item 44	None
GOOSEIn 2 Dataset Item 45	None
GOOSEIn 2 Dataset Item 46	None
GOOSEIn 2 Dataset Item 47	None
GOOSEIn 2 Dataset Item 48	None
GOOSEIn 2 Dataset Item 49	None
GOOSEIn 2 Dataset Item 50	None
GOOSEIn 2 Dataset Item 51	None
GOOSEIn 2 Dataset Item 52	None
GOOSEIn 2 Dataset Item 53	None
GOOSEIn 2 Dataset Item 54	None
GOOSEIn 2 Dataset Item 55	None
GOOSEIn 2 Dataset Item 56	None
GOOSEIn 2 Dataset Item 57	None
GOOSEIn 2 Dataset Item 58	None
GOOSEIn 2 Dataset Item 59	None
GOOSEIn 2 Dataset Item 60	None
GOOSEIn 2 Dataset Item 61	None
GOOSEIn 2 Dataset Item 62	None
GOOSEIn 2 Dataset Item 63	None
GOOSEIn 2 Dataset Item 64	None
GOOSEIn 3 Dataset Item 1	None
GOOSEIn 3 Dataset Item 2	None
GOOSEIn 3 Dataset Item 3	None
GOOSEIn 3 Dataset Item 4	None
GOOSEIn 3 Dataset Item 5	None
GOOSEIn 3 Dataset Item 6	None
GOOSEIn 3 Dataset Item 7	None
GOOSEIn 3 Dataset Item 8	None
GOOSEIn 3 Dataset Item 9	None
GOOSEIn 3 Dataset Item 10	None
GOOSEIn 3 Dataset Item 11	None
GOOSEIn 3 Dataset Item 12	None
GOOSEIn 3 Dataset Item 13	None
GOOSEIn 3 Dataset Item 14	None
GOOSEIn 3 Dataset Item 15	None
GOOSEIn 3 Dataset Item 16	None
GOOSEIn 3 Dataset Item 17	None
GOOSEIn 3 Dataset Item 18	None
GOOSEIn 3 Dataset Item 19	None
GOOSEIn 3 Dataset Item 20	None
GOOSEIn 3 Dataset Item 21	None
GOOSEIn 3 Dataset Item 22	None
GOOSEIn 3 Dataset Item 23	None
GOOSEIn 3 Dataset Item 24	None
GOOSEIn 3 Dataset Item 25	None
GOOSEIn 3 Dataset Item 26	None
GOOSEIn 3 Dataset Item 27	None
GOOSEIn 3 Dataset Item 28	None
GOOSEIn 3 Dataset Item 29	None
GOOSEIn 3 Dataset Item 30	None
GOOSEIn 3 Dataset Item 31	None
GOOSEIn 3 Dataset Item 32	None
GOOSEIn 3 Dataset Item 33	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 3 Dataset Item 34	None
GOOSEIn 3 Dataset Item 35	None
GOOSEIn 3 Dataset Item 36	None
GOOSEIn 3 Dataset Item 37	None
GOOSEIn 3 Dataset Item 38	None
GOOSEIn 3 Dataset Item 39	None
GOOSEIn 3 Dataset Item 40	None
GOOSEIn 3 Dataset Item 41	None
GOOSEIn 3 Dataset Item 42	None
GOOSEIn 3 Dataset Item 43	None
GOOSEIn 3 Dataset Item 44	None
GOOSEIn 3 Dataset Item 45	None
GOOSEIn 3 Dataset Item 46	None
GOOSEIn 3 Dataset Item 47	None
GOOSEIn 3 Dataset Item 48	None
GOOSEIn 3 Dataset Item 49	None
GOOSEIn 3 Dataset Item 50	None
GOOSEIn 3 Dataset Item 51	None
GOOSEIn 3 Dataset Item 52	None
GOOSEIn 3 Dataset Item 53	None
GOOSEIn 3 Dataset Item 54	None
GOOSEIn 3 Dataset Item 55	None
GOOSEIn 3 Dataset Item 56	None
GOOSEIn 3 Dataset Item 57	None
GOOSEIn 3 Dataset Item 58	None
GOOSEIn 3 Dataset Item 59	None
GOOSEIn 3 Dataset Item 60	None
GOOSEIn 3 Dataset Item 61	None
GOOSEIn 3 Dataset Item 62	None
GOOSEIn 3 Dataset Item 63	None
GOOSEIn 3 Dataset Item 64	None
GOOSEIn 4 Dataset Item 1	None
GOOSEIn 4 Dataset Item 2	None
GOOSEIn 4 Dataset Item 3	None
GOOSEIn 4 Dataset Item 4	None
GOOSEIn 4 Dataset Item 5	None
GOOSEIn 4 Dataset Item 6	None
GOOSEIn 4 Dataset Item 7	None
GOOSEIn 4 Dataset Item 8	None
GOOSEIn 4 Dataset Item 9	None
GOOSEIn 4 Dataset Item 10	None
GOOSEIn 4 Dataset Item 11	None
GOOSEIn 4 Dataset Item 12	None
GOOSEIn 4 Dataset Item 13	None
GOOSEIn 4 Dataset Item 14	None
GOOSEIn 4 Dataset Item 15	None
GOOSEIn 4 Dataset Item 16	None
GOOSEIn 4 Dataset Item 17	None
GOOSEIn 4 Dataset Item 18	None
GOOSEIn 4 Dataset Item 19	None
GOOSEIn 4 Dataset Item 20	None
GOOSEIn 4 Dataset Item 21	None
GOOSEIn 4 Dataset Item 22	None
GOOSEIn 4 Dataset Item 23	None
GOOSEIn 4 Dataset Item 24	None
GOOSEIn 4 Dataset Item 25	None
GOOSEIn 4 Dataset Item 26	None
GOOSEIn 4 Dataset Item 27	None
GOOSEIn 4 Dataset Item 28	None
GOOSEIn 4 Dataset Item 29	None
GOOSEIn 4 Dataset Item 30	None
GOOSEIn 4 Dataset Item 31	None
GOOSEIn 4 Dataset Item 32	None
GOOSEIn 4 Dataset Item 33	None
GOOSEIn 4 Dataset Item 34	None
GOOSEIn 4 Dataset Item 35	None
GOOSEIn 4 Dataset Item 36	None
GOOSEIn 4 Dataset Item 37	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 4 Dataset Item 38	None
GOOSEIn 4 Dataset Item 39	None
GOOSEIn 4 Dataset Item 40	None
GOOSEIn 4 Dataset Item 41	None
GOOSEIn 4 Dataset Item 42	None
GOOSEIn 4 Dataset Item 43	None
GOOSEIn 4 Dataset Item 44	None
GOOSEIn 4 Dataset Item 45	None
GOOSEIn 4 Dataset Item 46	None
GOOSEIn 4 Dataset Item 47	None
GOOSEIn 4 Dataset Item 48	None
GOOSEIn 4 Dataset Item 49	None
GOOSEIn 4 Dataset Item 50	None
GOOSEIn 4 Dataset Item 51	None
GOOSEIn 4 Dataset Item 52	None
GOOSEIn 4 Dataset Item 53	None
GOOSEIn 4 Dataset Item 54	None
GOOSEIn 4 Dataset Item 55	None
GOOSEIn 4 Dataset Item 56	None
GOOSEIn 4 Dataset Item 57	None
GOOSEIn 4 Dataset Item 58	None
GOOSEIn 4 Dataset Item 59	None
GOOSEIn 4 Dataset Item 60	None
GOOSEIn 4 Dataset Item 61	None
GOOSEIn 4 Dataset Item 62	None
GOOSEIn 4 Dataset Item 63	None
GOOSEIn 4 Dataset Item 64	None
GOOSEIn 5 Dataset Item 1	None
GOOSEIn 5 Dataset Item 2	None
GOOSEIn 5 Dataset Item 3	None
GOOSEIn 5 Dataset Item 4	None
GOOSEIn 5 Dataset Item 5	None
GOOSEIn 5 Dataset Item 6	None
GOOSEIn 5 Dataset Item 7	None
GOOSEIn 5 Dataset Item 8	None
GOOSEIn 5 Dataset Item 9	None
GOOSEIn 5 Dataset Item 10	None
GOOSEIn 5 Dataset Item 11	None
GOOSEIn 5 Dataset Item 12	None
GOOSEIn 5 Dataset Item 13	None
GOOSEIn 5 Dataset Item 14	None
GOOSEIn 5 Dataset Item 15	None
GOOSEIn 5 Dataset Item 16	None
GOOSEIn 5 Dataset Item 17	None
GOOSEIn 5 Dataset Item 18	None
GOOSEIn 5 Dataset Item 19	None
GOOSEIn 5 Dataset Item 20	None
GOOSEIn 5 Dataset Item 21	None
GOOSEIn 5 Dataset Item 22	None
GOOSEIn 5 Dataset Item 23	None
GOOSEIn 5 Dataset Item 24	None
GOOSEIn 5 Dataset Item 25	None
GOOSEIn 5 Dataset Item 26	None
GOOSEIn 5 Dataset Item 27	None
GOOSEIn 5 Dataset Item 28	None
GOOSEIn 5 Dataset Item 29	None
GOOSEIn 5 Dataset Item 30	None
GOOSEIn 5 Dataset Item 31	None
GOOSEIn 5 Dataset Item 32	None
GOOSEIn 5 Dataset Item 33	None
GOOSEIn 5 Dataset Item 34	None
GOOSEIn 5 Dataset Item 35	None
GOOSEIn 5 Dataset Item 36	None
GOOSEIn 5 Dataset Item 37	None
GOOSEIn 5 Dataset Item 38	None
GOOSEIn 5 Dataset Item 39	None
GOOSEIn 5 Dataset Item 40	None
GOOSEIn 5 Dataset Item 41	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 5 Dataset Item 42	None
GOOSEIn 5 Dataset Item 43	None
GOOSEIn 5 Dataset Item 44	None
GOOSEIn 5 Dataset Item 45	None
GOOSEIn 5 Dataset Item 46	None
GOOSEIn 5 Dataset Item 47	None
GOOSEIn 5 Dataset Item 48	None
GOOSEIn 5 Dataset Item 49	None
GOOSEIn 5 Dataset Item 50	None
GOOSEIn 5 Dataset Item 51	None
GOOSEIn 5 Dataset Item 52	None
GOOSEIn 5 Dataset Item 53	None
GOOSEIn 5 Dataset Item 54	None
GOOSEIn 5 Dataset Item 55	None
GOOSEIn 5 Dataset Item 56	None
GOOSEIn 5 Dataset Item 57	None
GOOSEIn 5 Dataset Item 58	None
GOOSEIn 5 Dataset Item 59	None
GOOSEIn 5 Dataset Item 60	None
GOOSEIn 5 Dataset Item 61	None
GOOSEIn 5 Dataset Item 62	None
GOOSEIn 5 Dataset Item 63	None
GOOSEIn 5 Dataset Item 64	None
GOOSEIn 6 Dataset Item 1	None
GOOSEIn 6 Dataset Item 2	None
GOOSEIn 6 Dataset Item 3	None
GOOSEIn 6 Dataset Item 4	None
GOOSEIn 6 Dataset Item 5	None
GOOSEIn 6 Dataset Item 6	None
GOOSEIn 6 Dataset Item 7	None
GOOSEIn 6 Dataset Item 8	None
GOOSEIn 6 Dataset Item 9	None
GOOSEIn 6 Dataset Item 10	None
GOOSEIn 6 Dataset Item 11	None
GOOSEIn 6 Dataset Item 12	None
GOOSEIn 6 Dataset Item 13	None
GOOSEIn 6 Dataset Item 14	None
GOOSEIn 6 Dataset Item 15	None
GOOSEIn 6 Dataset Item 16	None
GOOSEIn 6 Dataset Item 17	None
GOOSEIn 6 Dataset Item 18	None
GOOSEIn 6 Dataset Item 19	None
GOOSEIn 6 Dataset Item 20	None
GOOSEIn 6 Dataset Item 21	None
GOOSEIn 6 Dataset Item 22	None
GOOSEIn 6 Dataset Item 23	None
GOOSEIn 6 Dataset Item 24	None
GOOSEIn 6 Dataset Item 25	None
GOOSEIn 6 Dataset Item 26	None
GOOSEIn 6 Dataset Item 27	None
GOOSEIn 6 Dataset Item 28	None
GOOSEIn 6 Dataset Item 29	None
GOOSEIn 6 Dataset Item 30	None
GOOSEIn 6 Dataset Item 31	None
GOOSEIn 6 Dataset Item 32	None
GOOSEIn 6 Dataset Item 33	None
GOOSEIn 6 Dataset Item 34	None
GOOSEIn 6 Dataset Item 35	None
GOOSEIn 6 Dataset Item 36	None
GOOSEIn 6 Dataset Item 37	None
GOOSEIn 6 Dataset Item 38	None
GOOSEIn 6 Dataset Item 39	None
GOOSEIn 6 Dataset Item 40	None
GOOSEIn 6 Dataset Item 41	None
GOOSEIn 6 Dataset Item 42	None
GOOSEIn 6 Dataset Item 43	None
GOOSEIn 6 Dataset Item 44	None
GOOSEIn 6 Dataset Item 45	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 6 Dataset Item 46	None
GOOSEIn 6 Dataset Item 47	None
GOOSEIn 6 Dataset Item 48	None
GOOSEIn 6 Dataset Item 49	None
GOOSEIn 6 Dataset Item 50	None
GOOSEIn 6 Dataset Item 51	None
GOOSEIn 6 Dataset Item 52	None
GOOSEIn 6 Dataset Item 53	None
GOOSEIn 6 Dataset Item 54	None
GOOSEIn 6 Dataset Item 55	None
GOOSEIn 6 Dataset Item 56	None
GOOSEIn 6 Dataset Item 57	None
GOOSEIn 6 Dataset Item 58	None
GOOSEIn 6 Dataset Item 59	None
GOOSEIn 6 Dataset Item 60	None
GOOSEIn 6 Dataset Item 61	None
GOOSEIn 6 Dataset Item 62	None
GOOSEIn 6 Dataset Item 63	None
GOOSEIn 6 Dataset Item 64	None
GOOSEIn 7 Dataset Item 1	None
GOOSEIn 7 Dataset Item 2	None
GOOSEIn 7 Dataset Item 3	None
GOOSEIn 7 Dataset Item 4	None
GOOSEIn 7 Dataset Item 5	None
GOOSEIn 7 Dataset Item 6	None
GOOSEIn 7 Dataset Item 7	None
GOOSEIn 7 Dataset Item 8	None
GOOSEIn 7 Dataset Item 9	None
GOOSEIn 7 Dataset Item 10	None
GOOSEIn 7 Dataset Item 11	None
GOOSEIn 7 Dataset Item 12	None
GOOSEIn 7 Dataset Item 13	None
GOOSEIn 7 Dataset Item 14	None
GOOSEIn 7 Dataset Item 15	None
GOOSEIn 7 Dataset Item 16	None
GOOSEIn 7 Dataset Item 17	None
GOOSEIn 7 Dataset Item 18	None
GOOSEIn 7 Dataset Item 19	None
GOOSEIn 7 Dataset Item 20	None
GOOSEIn 7 Dataset Item 21	None
GOOSEIn 7 Dataset Item 22	None
GOOSEIn 7 Dataset Item 23	None
GOOSEIn 7 Dataset Item 24	None
GOOSEIn 7 Dataset Item 25	None
GOOSEIn 7 Dataset Item 26	None
GOOSEIn 7 Dataset Item 27	None
GOOSEIn 7 Dataset Item 28	None
GOOSEIn 7 Dataset Item 29	None
GOOSEIn 7 Dataset Item 30	None
GOOSEIn 7 Dataset Item 31	None
GOOSEIn 7 Dataset Item 32	None
GOOSEIn 7 Dataset Item 33	None
GOOSEIn 7 Dataset Item 34	None
GOOSEIn 7 Dataset Item 35	None
GOOSEIn 7 Dataset Item 36	None
GOOSEIn 7 Dataset Item 37	None
GOOSEIn 7 Dataset Item 38	None
GOOSEIn 7 Dataset Item 39	None
GOOSEIn 7 Dataset Item 40	None
GOOSEIn 7 Dataset Item 41	None
GOOSEIn 7 Dataset Item 42	None
GOOSEIn 7 Dataset Item 43	None
GOOSEIn 7 Dataset Item 44	None
GOOSEIn 7 Dataset Item 45	None
GOOSEIn 7 Dataset Item 46	None
GOOSEIn 7 Dataset Item 47	None
GOOSEIn 7 Dataset Item 48	None
GOOSEIn 7 Dataset Item 49	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 7 Dataset Item 50	None
GOOSEIn 7 Dataset Item 51	None
GOOSEIn 7 Dataset Item 52	None
GOOSEIn 7 Dataset Item 53	None
GOOSEIn 7 Dataset Item 54	None
GOOSEIn 7 Dataset Item 55	None
GOOSEIn 7 Dataset Item 56	None
GOOSEIn 7 Dataset Item 57	None
GOOSEIn 7 Dataset Item 58	None
GOOSEIn 7 Dataset Item 59	None
GOOSEIn 7 Dataset Item 60	None
GOOSEIn 7 Dataset Item 61	None
GOOSEIn 7 Dataset Item 62	None
GOOSEIn 7 Dataset Item 63	None
GOOSEIn 7 Dataset Item 64	None
GOOSEIn 8 Dataset Item 1	None
GOOSEIn 8 Dataset Item 2	None
GOOSEIn 8 Dataset Item 3	None
GOOSEIn 8 Dataset Item 4	None
GOOSEIn 8 Dataset Item 5	None
GOOSEIn 8 Dataset Item 6	None
GOOSEIn 8 Dataset Item 7	None
GOOSEIn 8 Dataset Item 8	None
GOOSEIn 8 Dataset Item 9	None
GOOSEIn 8 Dataset Item 10	None
GOOSEIn 8 Dataset Item 11	None
GOOSEIn 8 Dataset Item 12	None
GOOSEIn 8 Dataset Item 13	None
GOOSEIn 8 Dataset Item 14	None
GOOSEIn 8 Dataset Item 15	None
GOOSEIn 8 Dataset Item 16	None
GOOSEIn 8 Dataset Item 17	None
GOOSEIn 8 Dataset Item 18	None
GOOSEIn 8 Dataset Item 19	None
GOOSEIn 8 Dataset Item 20	None
GOOSEIn 8 Dataset Item 21	None
GOOSEIn 8 Dataset Item 22	None
GOOSEIn 8 Dataset Item 23	None
GOOSEIn 8 Dataset Item 24	None
GOOSEIn 8 Dataset Item 25	None
GOOSEIn 8 Dataset Item 26	None
GOOSEIn 8 Dataset Item 27	None
GOOSEIn 8 Dataset Item 28	None
GOOSEIn 8 Dataset Item 29	None
GOOSEIn 8 Dataset Item 30	None
GOOSEIn 8 Dataset Item 31	None
GOOSEIn 8 Dataset Item 32	None
GOOSEIn 8 Dataset Item 33	None
GOOSEIn 8 Dataset Item 34	None
GOOSEIn 8 Dataset Item 35	None
GOOSEIn 8 Dataset Item 36	None
GOOSEIn 8 Dataset Item 37	None
GOOSEIn 8 Dataset Item 38	None
GOOSEIn 8 Dataset Item 39	None
GOOSEIn 8 Dataset Item 40	None
GOOSEIn 8 Dataset Item 41	None
GOOSEIn 8 Dataset Item 42	None
GOOSEIn 8 Dataset Item 43	None
GOOSEIn 8 Dataset Item 44	None
GOOSEIn 8 Dataset Item 45	None
GOOSEIn 8 Dataset Item 46	None
GOOSEIn 8 Dataset Item 47	None
GOOSEIn 8 Dataset Item 48	None
GOOSEIn 8 Dataset Item 49	None
GOOSEIn 8 Dataset Item 50	None
GOOSEIn 8 Dataset Item 51	None
GOOSEIn 8 Dataset Item 52	None
GOOSEIn 8 Dataset Item 53	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 8 Dataset Item 54	None
GOOSEIn 8 Dataset Item 55	None
GOOSEIn 8 Dataset Item 56	None
GOOSEIn 8 Dataset Item 57	None
GOOSEIn 8 Dataset Item 58	None
GOOSEIn 8 Dataset Item 59	None
GOOSEIn 8 Dataset Item 60	None
GOOSEIn 8 Dataset Item 61	None
GOOSEIn 8 Dataset Item 62	None
GOOSEIn 8 Dataset Item 63	None
GOOSEIn 8 Dataset Item 64	None

SERVER CONFIGURATION

IEDName	IEDName
Logical Device Instance	LDInst
MMS TCP Port Number	102
Include NON-IEC Data	Disabled
Server Scanning	Enabled
LPHD DC PhyNam location	Location

LOGICAL NODE PREFIXES

CSW11 LN Prefix
 CSW12 LN Prefix
 CSW13 LN Prefix
 CSW14 LN Prefix
 CSW15 LN Prefix
 CSW16 LN Prefix
 CSW17 LN Prefix
 CSW18 LN Prefix
 CSW19 LN Prefix
 CSW110 LN Prefix
 GGIO1 LN Prefix
 GGIO2 LN Prefix
 GGIO3 LN Prefix
 GGIO4 LN Prefix
 GGIO5 LN Prefix
 LPHD1 LN Prefix
 MMXU1 LN Prefix
 MMXU2 LN Prefix
 PDIS1 LN Prefix
 PDIS2 LN Prefix
 PDIS3 LN Prefix
 PDIS4 LN Prefix
 PDIS5 LN Prefix
 PDIS6 LN Prefix
 PDIS7 LN Prefix
 PDIS8 LN Prefix
 PDIS9 LN Prefix
 PDIS10 LN Prefix
 PIOC1 LN Prefix
 PIOC2 LN Prefix
 PIOC3 LN Prefix
 PIOC4 LN Prefix
 PIOC5 LN Prefix
 PIOC6 LN Prefix
 PIOC7 LN Prefix
 PIOC8 LN Prefix
 PTOC1 LN Prefix
 PTOC2 LN Prefix
 PTOC3 LN Prefix
 PTOC4 LN Prefix
 PTOC5 LN Prefix
 PTOC6 LN Prefix
 PTOC7 LN Prefix
 PTOC8 LN Prefix
 PTOC9 LN Prefix
 PTOC10 LN Prefix
 PTOC11 LN Prefix

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOGICAL NODE PREFIXES (continued from last page)

PTOC12 LN Prefix
 PTOV1 LN Prefix
 PTOV2 LN Prefix
 PTOV3 LN Prefix
 PTOV4 LN Prefix
 PTOV5 LN Prefix
 PTOV6 LN Prefix
 PTOV7 LN Prefix
 PTOV8 LN Prefix
 PTRC1 LN Prefix
 PTRC2 LN Prefix
 PTUV1 LN Prefix
 PTUV2 LN Prefix
 PTUV3 LN Prefix
 PTUV4 LN Prefix
 RBRF1 LN Prefix
 RBRF2 LN Prefix
 RFLO1 LN Prefix
 RPSB1 LN Prefix
 RREC1 LN Prefix
 XCBR1 LN Prefix
 XCBR2 LN Prefix
 XSW11 LN Prefix
 XSW12 LN Prefix
 XSW13 LN Prefix
 XSW14 LN Prefix
 XSW15 LN Prefix
 XSW16 LN Prefix
 XSW17 LN Prefix
 XSW18 LN Prefix

MMXU DEADBANDS

MMXU1: TotW Deadband	10.000 %
MMXU1: TotVAr Deadband	10.000 %
MMXU1: TotVA Deadband	10.000 %
MMXU1: TotPF Deadband	10.000 %
MMXU1: Hz Deadband	10.000 %
MMXU1: PPV phsAB Deadband	10.000 %
MMXU1: PPV phsBC Deadband	10.000 %
MMXU1: PPV phsCA Deadband	10.000 %
MMXU1: PhV phsA Deadband	10.000 %
MMXU1: PhV phsB Deadband	10.000 %
MMXU1: PhV phsC Deadband	10.000 %
MMXU1: A phsA Deadband	10.000 %
MMXU1: A phsB Deadband	10.000 %
MMXU1: A phsC Deadband	10.000 %
MMXU1: A neut Deadband	10.000 %
MMXU1: W phsA Deadband	10.000 %
MMXU1: W phsB Deadband	10.000 %
MMXU1: W phsC Deadband	10.000 %
MMXU1: VAr phsA Deadband	10.000 %
MMXU1: VAr phsB Deadband	10.000 %
MMXU1: VAr phsC Deadband	10.000 %
MMXU1: VA phsA Deadband	10.000 %
MMXU1: VA phsB Deadband	10.000 %
MMXU1: VA phsC Deadband	10.000 %
MMXU1: PF phsA Deadband	10.000 %
MMXU1: PF phsB Deadband	10.000 %
MMXU1: PF phsC Deadband	10.000 %
MMXU2: TotW Deadband	10.000 %
MMXU2: TotVAr Deadband	10.000 %
MMXU2: TotVA Deadband	10.000 %
MMXU2: TotPF Deadband	10.000 %
MMXU2: Hz Deadband	10.000 %
MMXU2: PPV phsAB Deadband	10.000 %
MMXU2: PPV phsBC Deadband	10.000 %
MMXU2: PPV phsCA Deadband	10.000 %
MMXU2: PhV phsA Deadband	10.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MMXU DEADBANDS (continued from last page)

MMXU2: PhV phsB Deadband	10.000 %
MMXU2: PhV phsC Deadband	10.000 %
MMXU2: A phsA Deadband	10.000 %
MMXU2: A phsB Deadband	10.000 %
MMXU2: A phsC Deadband	10.000 %
MMXU2: A neut Deadband	10.000 %
MMXU2: W phsA Deadband	10.000 %
MMXU2: W phsB Deadband	10.000 %
MMXU2: W phsC Deadband	10.000 %
MMXU2: VAr phsA Deadband	10.000 %
MMXU2: VAr phsB Deadband	10.000 %
MMXU2: VAr phsC Deadband	10.000 %
MMXU2: VA phsA Deadband	10.000 %
MMXU2: VA phsB Deadband	10.000 %
MMXU2: VA phsC Deadband	10.000 %
MMXU2: PF phsA Deadband	10.000 %
MMXU2: PF phsB Deadband	10.000 %
MMXU2: PF phsC Deadband	10.000 %

GGIO1 STATUS CONFIGURATION

Number of Status Points	8
GGIO1 Indication 1	OFF
GGIO1 Indication 2	OFF
GGIO1 Indication 3	OFF
GGIO1 Indication 4	OFF
GGIO1 Indication 5	OFF
GGIO1 Indication 6	OFF
GGIO1 Indication 7	OFF
GGIO1 Indication 8	OFF
GGIO1 Indication 9	OFF
GGIO1 Indication 10	OFF
GGIO1 Indication 11	OFF
GGIO1 Indication 12	OFF
GGIO1 Indication 13	OFF
GGIO1 Indication 14	OFF
GGIO1 Indication 15	OFF
GGIO1 Indication 16	OFF
GGIO1 Indication 17	OFF
GGIO1 Indication 18	OFF
GGIO1 Indication 19	OFF
GGIO1 Indication 20	OFF
GGIO1 Indication 21	OFF
GGIO1 Indication 22	OFF
GGIO1 Indication 23	OFF
GGIO1 Indication 24	OFF
GGIO1 Indication 25	OFF
GGIO1 Indication 26	OFF
GGIO1 Indication 27	OFF
GGIO1 Indication 28	OFF
GGIO1 Indication 29	OFF
GGIO1 Indication 30	OFF
GGIO1 Indication 31	OFF
GGIO1 Indication 32	OFF
GGIO1 Indication 33	OFF
GGIO1 Indication 34	OFF
GGIO1 Indication 35	OFF
GGIO1 Indication 36	OFF
GGIO1 Indication 37	OFF
GGIO1 Indication 38	OFF
GGIO1 Indication 39	OFF
GGIO1 Indication 40	OFF
GGIO1 Indication 41	OFF
GGIO1 Indication 42	OFF
GGIO1 Indication 43	OFF
GGIO1 Indication 44	OFF
GGIO1 Indication 45	OFF
GGIO1 Indication 46	OFF
GGIO1 Indication 47	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO1 STATUS CONFIGURATION (continued from last page)

GGIO1 Indication 48	OFF
GGIO1 Indication 49	OFF
GGIO1 Indication 50	OFF
GGIO1 Indication 51	OFF
GGIO1 Indication 52	OFF
GGIO1 Indication 53	OFF
GGIO1 Indication 54	OFF
GGIO1 Indication 55	OFF
GGIO1 Indication 56	OFF
GGIO1 Indication 57	OFF
GGIO1 Indication 58	OFF
GGIO1 Indication 59	OFF
GGIO1 Indication 60	OFF
GGIO1 Indication 61	OFF
GGIO1 Indication 62	OFF
GGIO1 Indication 63	OFF
GGIO1 Indication 64	OFF
GGIO1 Indication 65	OFF
GGIO1 Indication 66	OFF
GGIO1 Indication 67	OFF
GGIO1 Indication 68	OFF
GGIO1 Indication 69	OFF
GGIO1 Indication 70	OFF
GGIO1 Indication 71	OFF
GGIO1 Indication 72	OFF
GGIO1 Indication 73	OFF
GGIO1 Indication 74	OFF
GGIO1 Indication 75	OFF
GGIO1 Indication 76	OFF
GGIO1 Indication 77	OFF
GGIO1 Indication 78	OFF
GGIO1 Indication 79	OFF
GGIO1 Indication 80	OFF
GGIO1 Indication 81	OFF
GGIO1 Indication 82	OFF
GGIO1 Indication 83	OFF
GGIO1 Indication 84	OFF
GGIO1 Indication 85	OFF
GGIO1 Indication 86	OFF
GGIO1 Indication 87	OFF
GGIO1 Indication 88	OFF
GGIO1 Indication 89	OFF
GGIO1 Indication 90	OFF
GGIO1 Indication 91	OFF
GGIO1 Indication 92	OFF
GGIO1 Indication 93	OFF
GGIO1 Indication 94	OFF
GGIO1 Indication 95	OFF
GGIO1 Indication 96	OFF
GGIO1 Indication 97	OFF
GGIO1 Indication 98	OFF
GGIO1 Indication 99	OFF
GGIO1 Indication 100	OFF
GGIO1 Indication 101	OFF
GGIO1 Indication 102	OFF
GGIO1 Indication 103	OFF
GGIO1 Indication 104	OFF
GGIO1 Indication 105	OFF
GGIO1 Indication 106	OFF
GGIO1 Indication 107	OFF
GGIO1 Indication 108	OFF
GGIO1 Indication 109	OFF
GGIO1 Indication 110	OFF
GGIO1 Indication 111	OFF
GGIO1 Indication 112	OFF
GGIO1 Indication 113	OFF
GGIO1 Indication 114	OFF
GGIO1 Indication 115	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO1 STATUS CONFIGURATION (continued from last page)

GGIO1 Indication 116	OFF
GGIO1 Indication 117	OFF
GGIO1 Indication 118	OFF
GGIO1 Indication 119	OFF
GGIO1 Indication 120	OFF
GGIO1 Indication 121	OFF
GGIO1 Indication 122	OFF
GGIO1 Indication 123	OFF
GGIO1 Indication 124	OFF
GGIO1 Indication 125	OFF
GGIO1 Indication 126	OFF
GGIO1 Indication 127	OFF
GGIO1 Indication 128	OFF

GGIO2 CONTROL CONFIGURATION

SPCSO 1 ctlModel	1
SPCSO 2 ctlModel	1
SPCSO 3 ctlModel	1
SPCSO 4 ctlModel	1
SPCSO 5 ctlModel	1
SPCSO 6 ctlModel	1
SPCSO 7 ctlModel	1
SPCSO 8 ctlModel	1
SPCSO 9 ctlModel	1
SPCSO 10 ctlModel	1
SPCSO 11 ctlModel	1
SPCSO 12 ctlModel	1
SPCSO 13 ctlModel	1
SPCSO 14 ctlModel	1
SPCSO 15 ctlModel	1
SPCSO 16 ctlModel	1
SPCSO 17 ctlModel	1
SPCSO 18 ctlModel	1
SPCSO 19 ctlModel	1
SPCSO 20 ctlModel	1
SPCSO 21 ctlModel	1
SPCSO 22 ctlModel	1
SPCSO 23 ctlModel	1
SPCSO 24 ctlModel	1
SPCSO 25 ctlModel	1
SPCSO 26 ctlModel	1
SPCSO 27 ctlModel	1
SPCSO 28 ctlModel	1
SPCSO 29 ctlModel	1
SPCSO 30 ctlModel	1
SPCSO 31 ctlModel	1
SPCSO 32 ctlModel	1
SPCSO 33 ctlModel	1
SPCSO 34 ctlModel	1
SPCSO 35 ctlModel	1
SPCSO 36 ctlModel	1
SPCSO 37 ctlModel	1
SPCSO 38 ctlModel	1
SPCSO 39 ctlModel	1
SPCSO 40 ctlModel	1
SPCSO 41 ctlModel	1
SPCSO 42 ctlModel	1
SPCSO 43 ctlModel	1
SPCSO 44 ctlModel	1
SPCSO 45 ctlModel	1
SPCSO 46 ctlModel	1
SPCSO 47 ctlModel	1
SPCSO 48 ctlModel	1
SPCSO 49 ctlModel	1
SPCSO 50 ctlModel	1
SPCSO 51 ctlModel	1
SPCSO 52 ctlModel	1
SPCSO 53 ctlModel	1

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO2 CONTROL CONFIGURATION (continued from last page)

SPCSO 54 ctlModel	1
SPCSO 55 ctlModel	1
SPCSO 56 ctlModel	1
SPCSO 57 ctlModel	1
SPCSO 58 ctlModel	1
SPCSO 59 ctlModel	1
SPCSO 60 ctlModel	1
SPCSO 61 ctlModel	1
SPCSO 62 ctlModel	1
SPCSO 63 ctlModel	1
SPCSO 64 ctlModel	1

GGIO4 ANALOG CONFIGURATION

IEC61850 GGIO4 Analogs	4
IEC61850 GGIO4 Analog 1 Value	OFF
IEC61850 GGIO4 Analog 1 db	100.000 %
IEC61850 GGIO4 Analog 1 min	0.000
IEC61850 GGIO4 Analog 1 max	1000000.000
IEC61850 GGIO4 Analog 2 Value	OFF
IEC61850 GGIO4 Analog 2 db	100.000 %
IEC61850 GGIO4 Analog 2 min	0.000
IEC61850 GGIO4 Analog 2 max	1000000.000
IEC61850 GGIO4 Analog 3 Value	OFF
IEC61850 GGIO4 Analog 3 db	100.000 %
IEC61850 GGIO4 Analog 3 min	0.000
IEC61850 GGIO4 Analog 3 max	1000000.000
IEC61850 GGIO4 Analog 4 Value	OFF
IEC61850 GGIO4 Analog 4 db	100.000 %
IEC61850 GGIO4 Analog 4 min	0.000
IEC61850 GGIO4 Analog 4 max	1000000.000
IEC61850 GGIO4 Analog 5 Value	OFF
IEC61850 GGIO4 Analog 5 db	100.000 %
IEC61850 GGIO4 Analog 5 min	0.000
IEC61850 GGIO4 Analog 5 max	1000000.000
IEC61850 GGIO4 Analog 6 Value	OFF
IEC61850 GGIO4 Analog 6 db	100.000 %
IEC61850 GGIO4 Analog 6 min	0.000
IEC61850 GGIO4 Analog 6 max	1000000.000
IEC61850 GGIO4 Analog 7 Value	OFF
IEC61850 GGIO4 Analog 7 db	100.000 %
IEC61850 GGIO4 Analog 7 min	0.000
IEC61850 GGIO4 Analog 7 max	1000000.000
IEC61850 GGIO4 Analog 8 Value	OFF
IEC61850 GGIO4 Analog 8 db	100.000 %
IEC61850 GGIO4 Analog 8 min	0.000
IEC61850 GGIO4 Analog 8 max	1000000.000
IEC61850 GGIO4 Analog 9 Value	OFF
IEC61850 GGIO4 Analog 9 db	100.000 %
IEC61850 GGIO4 Analog 9 min	0.000
IEC61850 GGIO4 Analog 9 max	1000000.000
IEC61850 GGIO4 Analog 10 Value	OFF
IEC61850 GGIO4 Analog 10 db	100.000 %
IEC61850 GGIO4 Analog 10 min	0.000
IEC61850 GGIO4 Analog 10 max	1000000.000
IEC61850 GGIO4 Analog 11 Value	OFF
IEC61850 GGIO4 Analog 11 db	100.000 %
IEC61850 GGIO4 Analog 11 min	0.000
IEC61850 GGIO4 Analog 11 max	1000000.000
IEC61850 GGIO4 Analog 12 Value	OFF
IEC61850 GGIO4 Analog 12 db	100.000 %
IEC61850 GGIO4 Analog 12 min	0.000
IEC61850 GGIO4 Analog 12 max	1000000.000
IEC61850 GGIO4 Analog 13 Value	OFF
IEC61850 GGIO4 Analog 13 db	100.000 %
IEC61850 GGIO4 Analog 13 min	0.000
IEC61850 GGIO4 Analog 13 max	1000000.000
IEC61850 GGIO4 Analog 14 Value	OFF
IEC61850 GGIO4 Analog 14 db	100.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO4 ANALOG CONFIGURATION (continued from last page)

IEC61850 GGIO4 Analog 14 min	0.000
IEC61850 GGIO4 Analog 14 max	1000000.000
IEC61850 GGIO4 Analog 15 Value	OFF
IEC61850 GGIO4 Analog 15 db	100.000 %
IEC61850 GGIO4 Analog 15 min	0.000
IEC61850 GGIO4 Analog 15 max	1000000.000
IEC61850 GGIO4 Analog 16 Value	OFF
IEC61850 GGIO4 Analog 16 db	100.000 %
IEC61850 GGIO4 Analog 16 min	0.000
IEC61850 GGIO4 Analog 16 max	1000000.000
IEC61850 GGIO4 Analog 17 Value	OFF
IEC61850 GGIO4 Analog 17 db	100.000 %
IEC61850 GGIO4 Analog 17 min	0.000
IEC61850 GGIO4 Analog 17 max	1000000.000
IEC61850 GGIO4 Analog 18 Value	OFF
IEC61850 GGIO4 Analog 18 db	100.000 %
IEC61850 GGIO4 Analog 18 min	0.000
IEC61850 GGIO4 Analog 18 max	1000000.000
IEC61850 GGIO4 Analog 19 Value	OFF
IEC61850 GGIO4 Analog 19 db	100.000 %
IEC61850 GGIO4 Analog 19 min	0.000
IEC61850 GGIO4 Analog 19 max	1000000.000
IEC61850 GGIO4 Analog 20 Value	OFF
IEC61850 GGIO4 Analog 20 db	100.000 %
IEC61850 GGIO4 Analog 20 min	0.000
IEC61850 GGIO4 Analog 20 max	1000000.000
IEC61850 GGIO4 Analog 21 Value	OFF
IEC61850 GGIO4 Analog 21 db	100.000 %
IEC61850 GGIO4 Analog 21 min	0.000
IEC61850 GGIO4 Analog 21 max	1000000.000
IEC61850 GGIO4 Analog 22 Value	OFF
IEC61850 GGIO4 Analog 22 db	100.000 %
IEC61850 GGIO4 Analog 22 min	0.000
IEC61850 GGIO4 Analog 22 max	1000000.000
IEC61850 GGIO4 Analog 23 Value	OFF
IEC61850 GGIO4 Analog 23 db	100.000 %
IEC61850 GGIO4 Analog 23 min	0.000
IEC61850 GGIO4 Analog 23 max	1000000.000
IEC61850 GGIO4 Analog 24 Value	OFF
IEC61850 GGIO4 Analog 24 db	100.000 %
IEC61850 GGIO4 Analog 24 min	0.000
IEC61850 GGIO4 Analog 24 max	1000000.000
IEC61850 GGIO4 Analog 25 Value	OFF
IEC61850 GGIO4 Analog 25 db	100.000 %
IEC61850 GGIO4 Analog 25 min	0.000
IEC61850 GGIO4 Analog 25 max	1000000.000
IEC61850 GGIO4 Analog 26 Value	OFF
IEC61850 GGIO4 Analog 26 db	100.000 %
IEC61850 GGIO4 Analog 26 min	0.000
IEC61850 GGIO4 Analog 26 max	1000000.000
IEC61850 GGIO4 Analog 27 Value	OFF
IEC61850 GGIO4 Analog 27 db	100.000 %
IEC61850 GGIO4 Analog 27 min	0.000
IEC61850 GGIO4 Analog 27 max	1000000.000
IEC61850 GGIO4 Analog 28 Value	OFF
IEC61850 GGIO4 Analog 28 db	100.000 %
IEC61850 GGIO4 Analog 28 min	0.000
IEC61850 GGIO4 Analog 28 max	1000000.000
IEC61850 GGIO4 Analog 29 Value	OFF
IEC61850 GGIO4 Analog 29 db	100.000 %
IEC61850 GGIO4 Analog 29 min	0.000
IEC61850 GGIO4 Analog 29 max	1000000.000
IEC61850 GGIO4 Analog 30 Value	OFF
IEC61850 GGIO4 Analog 30 db	100.000 %
IEC61850 GGIO4 Analog 30 min	0.000
IEC61850 GGIO4 Analog 30 max	1000000.000
IEC61850 GGIO4 Analog 31 Value	OFF
IEC61850 GGIO4 Analog 31 db	100.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO4 ANALOG CONFIGURATION (continued from last page)

IEC61850 GGIO4 Analog 31 min	0.000
IEC61850 GGIO4 Analog 31 max	1000000.000
IEC61850 GGIO4 Analog 32 Value	OFF
IEC61850 GGIO4 Analog 32 db	100.000 %
IEC61850 GGIO4 Analog 32 min	0.000
IEC61850 GGIO4 Analog 32 max	1000000.000

GGIO5 STATUS CONFIGURATION

IEC61850 GGIO5 UINT Integer 1	OFF
IEC61850 GGIO5 UINT Integer 2	OFF
IEC61850 GGIO5 UINT Integer 3	OFF
IEC61850 GGIO5 UINT Integer 4	OFF
IEC61850 GGIO5 UINT Integer 5	OFF
IEC61850 GGIO5 UINT Integer 6	OFF
IEC61850 GGIO5 UINT Integer 7	OFF
IEC61850 GGIO5 UINT Integer 8	OFF
IEC61850 GGIO5 UINT Integer 9	OFF
IEC61850 GGIO5 UINT Integer 10	OFF
IEC61850 GGIO5 UINT Integer 11	OFF
IEC61850 GGIO5 UINT Integer 12	OFF
IEC61850 GGIO5 UINT Integer 13	OFF
IEC61850 GGIO5 UINT Integer 14	OFF
IEC61850 GGIO5 UINT Integer 15	OFF
IEC61850 GGIO5 UINT Integer 16	OFF

REPORT CONTROL CONFIGURATION

REPORT 1 (GGIO1.BR): RptID	
REPORT 1 (GGIO1.BR): OptFlds	0
REPORT 1 (GGIO1.BR): BufTm	0
REPORT 1 (GGIO1.BR): TrgOps	0
REPORT 1 (GGIO1.BR): IntgPd	0
REPORT 2 (GGIO1.BR01): RptID	
REPORT 2 (GGIO1.BR01): OptFlds	0
REPORT 2 (GGIO1.BR01): BufTm	0
REPORT 2 (GGIO1.BR01): TrgOps	0
REPORT 2 (GGIO1.BR01): IntgPd	0
REPORT 3 (GGIO1.RP): RptID	
REPORT 3 (GGIO1.RP): OptFlds	0
REPORT 3 (GGIO1.RP): BufTm	0
REPORT 3 (GGIO1.RP): TrgOps	0
REPORT 3 (GGIO1.RP): IntgPd	0
REPORT 4 (GGIO4.RP): RptID	
REPORT 4 (GGIO4.RP): OptFlds	0
REPORT 4 (GGIO4.RP): BufTm	0
REPORT 4 (GGIO4.RP): TrgOps	0
REPORT 4 (GGIO4.RP): IntgPd	0
REPORT 5 (MMXU1.BR): RptID	
REPORT 5 (MMXU1.BR): OptFlds	0
REPORT 5 (MMXU1.BR): BufTm	0
REPORT 5 (MMXU1.BR): TrgOps	0
REPORT 5 (MMXU1.BR): IntgPd	0
REPORT 6 (MMXU1.RP): RptID	
REPORT 6 (MMXU1.RP): OptFlds	0
REPORT 6 (MMXU1.RP): BufTm	0
REPORT 6 (MMXU1.RP): TrgOps	0
REPORT 6 (MMXU1.RP): IntgPd	0
REPORT 7 (MMXU2.BR): RptID	
REPORT 7 (MMXU2.BR): OptFlds	0
REPORT 7 (MMXU2.BR): BufTm	0
REPORT 7 (MMXU2.BR): TrgOps	0
REPORT 7 (MMXU2.BR): IntgPd	0
REPORT 8 (MMXU2.RP): RptID	
REPORT 8 (MMXU2.RP): OptFlds	0
REPORT 8 (MMXU2.RP): BufTm	0
REPORT 8 (MMXU2.RP): TrgOps	0
REPORT 8 (MMXU2.RP): IntgPd	0

XCBR CONFIGURATION

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

XCBR CONFIGURATION (continued from last page)

XCBR1 ST.Loc Operand	OFF
Clear XCBR1 OpCnt	No
XCBR2 ST.Loc Operand	OFF
Clear XCBR2 OpCnt	No

XSWI CONFIGURATION

XSWI1 ST.Loc Operand	OFF
XSWI2 ST.Loc Operand	OFF
XSWI3 ST.Loc Operand	OFF
XSWI4 ST.Loc Operand	OFF
XSWI5 ST.Loc Operand	OFF
XSWI6 ST.Loc Operand	OFF
XSWI7 ST.Loc Operand	OFF
XSWI8 ST.Loc Operand	OFF
Clear XSWI1 OpCnt	No
Clear XSWI2 OpCnt	No
Clear XSWI3 OpCnt	No
Clear XSWI4 OpCnt	No
Clear XSWI5 OpCnt	No
Clear XSWI6 OpCnt	No
Clear XSWI7 OpCnt	No
Clear XSWI8 OpCnt	No

HTTP

HTTP TCP Port Number	80

TFTP

TFTP Main UDP Port Number	69
TFTP Data UDP Port Number 1	0
TFTP Data UDP Port Number 2	0

IEC 60870-5-104

Function	Disabled
IEC TCP Port Number	2404
IEC Client Address 1	0. 0. 0. 0
IEC Client Address 2	0. 0. 0. 0
IEC Client Address 3	0. 0. 0. 0
IEC Client Address 4	0. 0. 0. 0
IEC Client Address 5	0. 0. 0. 0
IEC Common Address of ASDU	0
IEC Cyclic Data Period	60 s
IEC Current Default Threshold	30000
IEC Voltage Default Threshold	30000
IEC Power Default Threshold	30000
IEC Energy Default Threshold	30000
IEC Power Factor Default Threshold	30000
IEC Other Default Threshold	30000
IEC Redundancy Enabled	No

SNTP

Function	Enabled
Server IP Address	10. 1. 32. 7
UDP Port Number	123

MODBUS USER MAP

Address 1	0
Address 2	0
Address 3	0
Address 4	0
Address 5	0
Address 6	0
Address 7	0
Address 8	0
Address 9	0
Address 10	0
Address 11	0
Address 12	0
Address 13	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 14	0
Address 15	0
Address 16	0
Address 17	0
Address 18	0
Address 19	0
Address 20	0
Address 21	0
Address 22	0
Address 23	0
Address 24	0
Address 25	0
Address 26	0
Address 27	0
Address 28	0
Address 29	0
Address 30	0
Address 31	0
Address 32	0
Address 33	0
Address 34	0
Address 35	0
Address 36	0
Address 37	0
Address 38	0
Address 39	0
Address 40	0
Address 41	0
Address 42	0
Address 43	0
Address 44	0
Address 45	0
Address 46	0
Address 47	0
Address 48	0
Address 49	0
Address 50	0
Address 51	0
Address 52	0
Address 53	0
Address 54	0
Address 55	0
Address 56	0
Address 57	0
Address 58	0
Address 59	0
Address 60	0
Address 61	0
Address 62	0
Address 63	0
Address 64	0
Address 65	0
Address 66	0
Address 67	0
Address 68	0
Address 69	0
Address 70	0
Address 71	0
Address 72	0
Address 73	0
Address 74	0
Address 75	0
Address 76	0
Address 77	0
Address 78	0
Address 79	0
Address 80	0
Address 81	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 82	0
Address 83	0
Address 84	0
Address 85	0
Address 86	0
Address 87	0
Address 88	0
Address 89	0
Address 90	0
Address 91	0
Address 92	0
Address 93	0
Address 94	0
Address 95	0
Address 96	0
Address 97	0
Address 98	0
Address 99	0
Address 100	0
Address 101	0
Address 102	0
Address 103	0
Address 104	0
Address 105	0
Address 106	0
Address 107	0
Address 108	0
Address 109	0
Address 110	0
Address 111	0
Address 112	0
Address 113	0
Address 114	0
Address 115	0
Address 116	0
Address 117	0
Address 118	0
Address 119	0
Address 120	0
Address 121	0
Address 122	0
Address 123	0
Address 124	0
Address 125	0
Address 126	0
Address 127	0
Address 128	0
Address 129	0
Address 130	0
Address 131	0
Address 132	0
Address 133	0
Address 134	0
Address 135	0
Address 136	0
Address 137	0
Address 138	0
Address 139	0
Address 140	0
Address 141	0
Address 142	0
Address 143	0
Address 144	0
Address 145	0
Address 146	0
Address 147	0
Address 148	0
Address 149	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 150	0
Address 151	0
Address 152	0
Address 153	0
Address 154	0
Address 155	0
Address 156	0
Address 157	0
Address 158	0
Address 159	0
Address 160	0
Address 161	0
Address 162	0
Address 163	0
Address 164	0
Address 165	0
Address 166	0
Address 167	0
Address 168	0
Address 169	0
Address 170	0
Address 171	0
Address 172	0
Address 173	0
Address 174	0
Address 175	0
Address 176	0
Address 177	0
Address 178	0
Address 179	0
Address 180	0
Address 181	0
Address 182	0
Address 183	0
Address 184	0
Address 185	0
Address 186	0
Address 187	0
Address 188	0
Address 189	0
Address 190	0
Address 191	0
Address 192	0
Address 193	0
Address 194	0
Address 195	0
Address 196	0
Address 197	0
Address 198	0
Address 199	0
Address 200	0
Address 201	0
Address 202	0
Address 203	0
Address 204	0
Address 205	0
Address 206	0
Address 207	0
Address 208	0
Address 209	0
Address 210	0
Address 211	0
Address 212	0
Address 213	0
Address 214	0
Address 215	0
Address 216	0
Address 217	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 218	0
Address 219	0
Address 220	0
Address 221	0
Address 222	0
Address 223	0
Address 224	0
Address 225	0
Address 226	0
Address 227	0
Address 228	0
Address 229	0
Address 230	0
Address 231	0
Address 232	0
Address 233	0
Address 234	0
Address 235	0
Address 236	0
Address 237	0
Address 238	0
Address 239	0
Address 240	0
Address 241	0
Address 242	0
Address 243	0
Address 244	0
Address 245	0
Address 246	0
Address 247	0
Address 248	0
Address 249	0
Address 250	0
Address 251	0
Address 252	0
Address 253	0
Address 254	0
Address 255	0
Address 256	0

REAL TIME CLOCK

IRIG-B Signal Type	DC Shift
Real Time Clock Events	Enabled
Time Zone Offset	0.0 hr
DST Function	Disabled
DST Start Month	January
DST Start Day	Sunday
DST Start Day Instance	First
DST Start Hour	2
DST Stop Month	January
DST Stop Day	Sunday
DST Stop Day Instance	First
DST Stop Hour	2

FAULT REPORT

Fault Report 1 Source	52B3 (SRC 1)
Fault Report 1 Trigger	TRIP FAULT R On (VO30)
Fault Report 1 Positive Seq (Z1) Mag	0.25 ohms
Fault Report 1 Positive Seq (Z1) Angle	59 deg
Fault Report 1 Zero Seq (Z0) Mag	0.84 ohms
Fault Report 1 Zero Seq (Z0) Angle	76 deg
Fault Report 1 Line Length Units	km
Fault Report 1 Line Length	8.0
Fault Report 1 VT Substitution	None
Fault Report 1 System Z0 Mag	2.00 ohms
Fault Report 1 System Z0 Angle	75 deg

OSCILLOGRAPHY

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

OSCILLOGRAPHY (continued from last page)

Number Of Records	5
Trigger Mode	Automatic Overwrite
Trigger Position	50 %
Trigger Source	OSCILOGRAFIA On (VO13)
AC Input Waveforms	64 samples/cycle
Digital Channel 1	LINE PICKUP OP
Digital Channel 2	PH DIST Z1 OP
Digital Channel 3	GND DIST Z1 OP
Digital Channel 4	PH DIST Z2 OP
Digital Channel 5	GND DIST Z2 OP
Digital Channel 6	PH DIST Z3 OP
Digital Channel 7	GND DIST Z3 OP
Digital Channel 8	PH DIST Z5 OP
Digital Channel 9	GND DIST Z5 OP
Digital Channel 10	52B3 AB On(H7a)
Digital Channel 11	52B3 CE On(H8c)
Digital Channel 12	PHASE TOC1 OP
Digital Channel 13	PHASE IOC1 OP
Digital Channel 14	PH DIR1 BLK A
Digital Channel 15	PH DIR1 BLK B
Digital Channel 16	PH DIR1 BLK C
Digital Channel 17	NEUTRAL TOC1 OP
Digital Channel 18	NEUTRAL IOC1 OP
Digital Channel 19	NTRL DIR OC1 FWD
Digital Channel 20	NTRL DIR OC1 REV
Digital Channel 21	BKR FAIL 1 TRIP OP
Digital Channel 22	NEG SEQ IOC1 OP
Digital Channel 23	SRC1 VT FUSE FAIL OP
Digital Channel 24	TRIP1 52B3-A IOn (H1)
Digital Channel 25	TRIP1 52B3-B IOn (H2)
Digital Channel 26	TRIP1 52B3-C IOn (H3)
Digital Channel 27	TRIP2 52B3-A IOn (H4)
Digital Channel 28	TRIP2 52B3-B IOn (H5)
Digital Channel 29	TRIP2 52B3-C IOn (H6)
Digital Channel 30	CE 52B3 x79 IOn (P1)
Digital Channel 31	OPEN POLE BKR A OP
Digital Channel 32	OPEN POLE BKR B OP
Digital Channel 33	OPEN POLE BKR C OP
Digital Channel 34	SETTING GROUP ACT 2
Digital Channel 35	S79 S1 ON On(U7a)
Digital Channel 36	S79 S2 ON On(U7c)
Digital Channel 37	AR FORCE 3-P TRIP
Digital Channel 38	AR ENABLED
Digital Channel 39	AR RIP
Digital Channel 40	AR CLOSE BKR 1
Digital Channel 41	AR LO
Digital Channel 42	PART 79 3P On (VO5)
Digital Channel 43	PHASE SELECT AG
Digital Channel 44	PHASE SELECT BG
Digital Channel 45	PHASE SELECT CG
Digital Channel 46	PHASE SELECT AB
Digital Channel 47	PHASE SELECT BC
Digital Channel 48	PHASE SELECT CA
Digital Channel 49	PHASE SELECT ABG
Digital Channel 50	PHASE SELECT BCG
Digital Channel 51	PHASE SELECT CAG
Digital Channel 52	PHASE SELECT 3P
Digital Channel 53	RX TRIP REM On(P8c)
Digital Channel 54	RX 85A On(M7a)
Digital Channel 55	RX 85C On(M7c)
Digital Channel 56	P.EXT.50BF-A On(P7a)
Digital Channel 57	P.EXT.50BF-B On(P7c)
Digital Channel 58	P.EXT.50BF-C On(P8a)
Digital Channel 59	21S1 FALLA On(W6c)
Digital Channel 60	OP 21S1 Z1 On(W2c)
Digital Channel 61	OP 21S1 Z2 On(W3a)
Digital Channel 62	OP 21S1 Z3 On(W3c)
Digital Channel 63	OP 21S1 Z4 On(W4a)

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**OSCILLOGRAPHY (continued from last page)

Analog Channel 1	SRC1	I_0 Mag
Analog Channel 2	SRC1	I_0 Angle
Analog Channel 3	SRC1	I_1 Mag
Analog Channel 4	SRC1	I_1 Angle
Analog Channel 5	SRC1	I_2 Mag
Analog Channel 6	SRC1	I_2 Angle
Analog Channel 7	SRC1	V_0 Mag
Analog Channel 8	SRC1	V_0 Angle
Analog Channel 9	SRC1	V_1 Mag
Analog Channel 10	SRC1	V_1 Angle
Analog Channel 11	SRC1	V_2 Mag
Analog Channel 12	SRC1	V_2 Angle
Analog Channel 13	SRC1	Ia Mag
Analog Channel 14	SRC1	Ib Mag
Analog Channel 15	SRC1	Ic Mag
Analog Channel 16		Tracking Frequency

DATA LOGGER

Data Logger Mode	Continuous
Data Logger Trigger	OFF
Rate	900000 msec
Channel 1	SRC1 P
Channel 2	SRC1 Q
Channel 3	SRC1 S
Channel 4	SRC1 PF
Channel 5	SRC1 Frequency
Channel 6	OFF
Channel 7	OFF
Channel 8	OFF
Channel 9	OFF
Channel 10	OFF
Channel 11	OFF
Channel 12	OFF
Channel 13	OFF
Channel 14	OFF
Channel 15	OFF
Channel 16	OFF

USER-PROGRAMMABLE LEDSLED TEST

Function	Disabled
Control	OFF

TRIP AND ALARMS LEDS

Trip LED Input	TRIP PROT. On (VO9)
Alarm LED Input	ANY MAJOR ERROR

USER PROGRAMMABLE LEDS

LED 1: OPERAND	PH DIST Z1 OP
LED 1: TYPE	Latched
LED 2: OPERAND	GND DIST Z1 OP
LED 2: TYPE	Latched
LED 3: OPERAND	PH DIST Z2 OP
LED 3: TYPE	Latched
LED 4: OPERAND	GND DIST Z2 OP
LED 4: TYPE	Latched
LED 5: OPERAND	PH DIST Z3 OP
LED 5: TYPE	Latched
LED 6: OPERAND	GND DIST Z3 OP
LED 6: TYPE	Latched
LED 7: OPERAND	PH DIST Z5 OP
LED 7: TYPE	Latched
LED 8: OPERAND	GND DIST Z5 OP
LED 8: TYPE	Latched
LED 9: OPERAND	PHASE TOC1 OP
LED 9: TYPE	Latched
LED 10: OPERAND	PHASE IOC1 OP
LED 10: TYPE	Latched

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER PROGRAMMABLE LEDS (continued from last page)

LED 11: OPERAND	NEUTRAL TOC1 OP
LED 11: TYPE	Latched
LED 12: OPERAND	NEUTRAL IOC1 OP
LED 12: TYPE	Latched
LED 13: OPERAND	SETTING GROUP ACT 1
LED 13: TYPE	Self-Reset
LED 14: OPERAND	SETTING GROUP ACT 2
LED 14: TYPE	Self-Reset
LED 15: OPERAND	LINE PICKUP OP
LED 15: TYPE	Latched
LED 16: OPERAND	BKR FAIL 1 TRIP OP
LED 16: TYPE	Latched
LED 17: OPERAND	NEG SEQ IOC1 OP
LED 17: TYPE	Latched
LED 18: OPERAND	TRIP1 52B3-A IOn (H1)
LED 18: TYPE	Latched
LED 19: OPERAND	TRIP2 52B3-A IOn (H4)
LED 19: TYPE	Latched
LED 20: OPERAND	TRIP1 52B3-B IOn (H2)
LED 20: TYPE	Latched
LED 21: OPERAND	TRIP2 52B3-B IOn (H5)
LED 21: TYPE	Latched
LED 22: OPERAND	TRIP1 52B3-C IOn (H3)
LED 22: TYPE	Latched
LED 23: OPERAND	TRIP2 52B3-C IOn (H6)
LED 23: TYPE	Latched
LED 24: OPERAND	CE 52B3 x79 IOn (P1)
LED 24: TYPE	Latched
LED 25: OPERAND	CTRL HAB 79 On(W1a)
LED 25: TYPE	Self-Reset
LED 26: OPERAND	CTRL DES 79 On(W1c)
LED 26: TYPE	Self-Reset
LED 27: OPERAND	S79 S1 ON On(U7a)
LED 27: TYPE	Self-Reset
LED 28: OPERAND	S79 S2 ON On(U7c)
LED 28: TYPE	Self-Reset
LED 29: OPERAND	AR ENABLED
LED 29: TYPE	Self-Reset
LED 30: OPERAND	AR DISABLED
LED 30: TYPE	Self-Reset
LED 31: OPERAND	AR CLOSE BKR 1
LED 31: TYPE	Latched
LED 32: OPERAND	AR LO
LED 32: TYPE	Self-Reset
LED 33: OPERAND	OFF
LED 33: TYPE	Self-Reset
LED 34: OPERAND	P.EXT. 79 S1 On(W5a)
LED 34: TYPE	Latched
LED 35: OPERAND	TRIPBUS 2 OP
LED 35: TYPE	Latched
LED 36: OPERAND	OFF
LED 36: TYPE	Self-Reset
LED 37: OPERAND	52B3 CE On(H8c)
LED 37: TYPE	Self-Reset
LED 38: OPERAND	52B3 AB On(H7a)
LED 38: TYPE	Self-Reset
LED 39: OPERAND	FA T/P S2 On(W7c)
LED 39: TYPE	Self-Reset
LED 40: OPERAND	SRC1 VT FUSE FAIL OP
LED 40: TYPE	Self-Reset
LED 41: OPERAND	AR CLOSE BKR 1
LED 41: TYPE	Latched
LED 42: OPERAND	TX 85A/C On (VO27)
LED 42: TYPE	Latched
LED 43: OPERAND	RX 85A On(M7a)
LED 43: TYPE	Latched
LED 44: OPERAND	RX 85C On(M7c)
LED 44: TYPE	Latched

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER PROGRAMMABLE LEDS (continued from last page)

LED 45: OPERAND	P.EXT.50BF-A On(P7a)
LED 45: TYPE	Latched
LED 46: OPERAND	P.EXT.50BF-B On(P7c)
LED 46: TYPE	Latched
LED 47: OPERAND	P.EXT.50BF-C On(P8a)
LED 47: TYPE	Latched
LED 48: OPERAND	RX TRIP REM On(P8c)
LED 48: TYPE	Latched

USER PROGRAMMABLE SELF TESTS

Remote Device Off Function	Disabled
Pri Ethernet Fail Function	Disabled
Battery Fail Function	Enabled
SNTP Fail Function	Disabled
IRIG B Fail Function	Enabled

CONTROL PUSHBUTTONS

CPB 1: Function	Enabled
CPB 1: Events	Disabled
CPB 2: Function	Disabled
CPB 2: Events	Disabled
CPB 3: Function	Disabled
CPB 3: Events	Disabled

FLEX STATES

Parameter 1	TRIPBUS 1 OP
Parameter 2	TRIPBUS 2 OP
Parameter 3	TRIP 1-POLE
Parameter 4	TRIP 3-POLE
Parameter 5	TRIP PHASE A
Parameter 6	TRIP PHASE B
Parameter 7	TRIP PHASE C
Parameter 8	BREAKER 1 Phase A CLOSED
Parameter 9	BREAKER 1 Phase B CLOSED
Parameter 10	BREAKER 1 Phase C CLOSED
Parameter 11	OPEN POLE BKR A OP
Parameter 12	OPEN POLE BKR B OP
Parameter 13	OPEN POLE BKR C OP
Parameter 14	52B3 AB On(H7a)
Parameter 15	Cont Ip 2 On(H7c)
Parameter 16	Cont Ip 3 On(H8a)
Parameter 17	52B3 CE On(H8c)
Parameter 18	BREAKER 1 OPEN
Parameter 19	BREAKER 1 CLOSED
Parameter 20	AR ENABLED
Parameter 21	AR DISABLED
Parameter 22	AR 1-P RIP
Parameter 23	AR LO
Parameter 24	AR CLOSE BKR 1
Parameter 25	AR FORCE 3-P TRIP
Parameter 26	AR INCOMPLETE SEQ
Parameter 27	S79 S2 ON On(U7c)
Parameter 28	S79 S1 ON On(U7a)
Parameter 29	CTRL HAB 79 On(W1a)
Parameter 30	CTRL DES 79 On(W1c)
Parameter 31	HAB 79 VO23 On (VO23)
Parameter 32	DES 79 VO24 On (VO24)
Parameter 33	DES/HAB 79 On (VO25)
Parameter 34	BLOCK 79 On (VO6)
Parameter 35	LATCH 1 ON
Parameter 36	LATCH 1 OFF
Parameter 37	OFF
Parameter 38	OFF
Parameter 39	OFF
Parameter 40	OFF
Parameter 41	OFF
Parameter 42	OFF
Parameter 43	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 44	OFF
Parameter 45	OFF
Parameter 46	OFF
Parameter 47	OFF
Parameter 48	OFF
Parameter 49	OFF
Parameter 50	OFF
Parameter 51	OFF
Parameter 52	OFF
Parameter 53	OFF
Parameter 54	OFF
Parameter 55	OFF
Parameter 56	OFF
Parameter 57	OFF
Parameter 58	OFF
Parameter 59	OFF
Parameter 60	OFF
Parameter 61	OFF
Parameter 62	OFF
Parameter 63	OFF
Parameter 64	OFF
Parameter 65	OFF
Parameter 66	OFF
Parameter 67	OFF
Parameter 68	OFF
Parameter 69	OFF
Parameter 70	OFF
Parameter 71	OFF
Parameter 72	OFF
Parameter 73	OFF
Parameter 74	OFF
Parameter 75	OFF
Parameter 76	OFF
Parameter 77	OFF
Parameter 78	OFF
Parameter 79	OFF
Parameter 80	OFF
Parameter 81	OFF
Parameter 82	OFF
Parameter 83	OFF
Parameter 84	OFF
Parameter 85	OFF
Parameter 86	OFF
Parameter 87	OFF
Parameter 88	OFF
Parameter 89	OFF
Parameter 90	OFF
Parameter 91	OFF
Parameter 92	OFF
Parameter 93	OFF
Parameter 94	OFF
Parameter 95	OFF
Parameter 96	OFF
Parameter 97	OFF
Parameter 98	OFF
Parameter 99	OFF
Parameter 100	OFF
Parameter 101	OFF
Parameter 102	OFF
Parameter 103	OFF
Parameter 104	OFF
Parameter 105	OFF
Parameter 106	OFF
Parameter 107	OFF
Parameter 108	OFF
Parameter 109	OFF
Parameter 110	OFF
Parameter 111	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 112	OFF
Parameter 113	OFF
Parameter 114	OFF
Parameter 115	OFF
Parameter 116	OFF
Parameter 117	OFF
Parameter 118	OFF
Parameter 119	OFF
Parameter 120	OFF
Parameter 121	OFF
Parameter 122	OFF
Parameter 123	OFF
Parameter 124	OFF
Parameter 125	OFF
Parameter 126	OFF
Parameter 127	OFF
Parameter 128	OFF
Parameter 129	OFF
Parameter 130	OFF
Parameter 131	OFF
Parameter 132	OFF
Parameter 133	OFF
Parameter 134	OFF
Parameter 135	OFF
Parameter 136	OFF
Parameter 137	OFF
Parameter 138	OFF
Parameter 139	OFF
Parameter 140	OFF
Parameter 141	OFF
Parameter 142	OFF
Parameter 143	OFF
Parameter 144	OFF
Parameter 145	OFF
Parameter 146	OFF
Parameter 147	OFF
Parameter 148	OFF
Parameter 149	OFF
Parameter 150	OFF
Parameter 151	OFF
Parameter 152	OFF
Parameter 153	OFF
Parameter 154	OFF
Parameter 155	OFF
Parameter 156	OFF
Parameter 157	OFF
Parameter 158	OFF
Parameter 159	OFF
Parameter 160	OFF
Parameter 161	OFF
Parameter 162	OFF
Parameter 163	OFF
Parameter 164	OFF
Parameter 165	OFF
Parameter 166	OFF
Parameter 167	OFF
Parameter 168	OFF
Parameter 169	OFF
Parameter 170	OFF
Parameter 171	OFF
Parameter 172	OFF
Parameter 173	OFF
Parameter 174	OFF
Parameter 175	OFF
Parameter 176	OFF
Parameter 177	OFF
Parameter 178	OFF
Parameter 179	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 180	OFF
Parameter 181	OFF
Parameter 182	OFF
Parameter 183	OFF
Parameter 184	OFF
Parameter 185	OFF
Parameter 186	OFF
Parameter 187	OFF
Parameter 188	OFF
Parameter 189	OFF
Parameter 190	OFF
Parameter 191	OFF
Parameter 192	OFF
Parameter 193	OFF
Parameter 194	OFF
Parameter 195	OFF
Parameter 196	OFF
Parameter 197	OFF
Parameter 198	OFF
Parameter 199	OFF
Parameter 200	OFF
Parameter 201	OFF
Parameter 202	OFF
Parameter 203	OFF
Parameter 204	OFF
Parameter 205	OFF
Parameter 206	OFF
Parameter 207	OFF
Parameter 208	OFF
Parameter 209	OFF
Parameter 210	OFF
Parameter 211	OFF
Parameter 212	OFF
Parameter 213	OFF
Parameter 214	OFF
Parameter 215	OFF
Parameter 216	OFF
Parameter 217	OFF
Parameter 218	OFF
Parameter 219	OFF
Parameter 220	OFF
Parameter 221	OFF
Parameter 222	OFF
Parameter 223	OFF
Parameter 224	OFF
Parameter 225	OFF
Parameter 226	OFF
Parameter 227	OFF
Parameter 228	OFF
Parameter 229	OFF
Parameter 230	OFF
Parameter 231	OFF
Parameter 232	OFF
Parameter 233	OFF
Parameter 234	OFF
Parameter 235	OFF
Parameter 236	OFF
Parameter 237	OFF
Parameter 238	OFF
Parameter 239	OFF
Parameter 240	OFF
Parameter 241	OFF
Parameter 242	OFF
Parameter 243	OFF
Parameter 244	OFF
Parameter 245	OFF
Parameter 246	OFF
Parameter 247	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 248	OFF
Parameter 249	OFF
Parameter 250	OFF
Parameter 251	OFF
Parameter 252	OFF
Parameter 253	OFF
Parameter 254	OFF
Parameter 255	OFF
Parameter 256	OFF

USER-DEFINABLE DISPLAYS

USER DISPLAY 1: Top Line	Aperturas Totales
USER DISPLAY 1: Bottom Line	52B3:~
USER DISPLAY 1: Item 1	2048
USER DISPLAY 1: Item 2	0
USER DISPLAY 1: Item 3	0
USER DISPLAY 1: Item 4	0
USER DISPLAY 1: Item 5	0
USER DISPLAY 2: Top Line	Operaciones Totales
USER DISPLAY 2: Bottom Line	PROT:~
USER DISPLAY 2: Item 1	2056
USER DISPLAY 2: Item 2	0
USER DISPLAY 2: Item 3	0
USER DISPLAY 2: Item 4	0
USER DISPLAY 2: Item 5	0
USER DISPLAY 3: Top Line	Corrientes Ia:~
USER DISPLAY 3: Bottom Line	b:~ c:~
USER DISPLAY 3: Item 1	6144
USER DISPLAY 3: Item 2	6146
USER DISPLAY 3: Item 3	6148
USER DISPLAY 3: Item 4	0
USER DISPLAY 3: Item 5	0
USER DISPLAY 4: Top Line	Tension Linea
USER DISPLAY 4: Bottom Line	~
USER DISPLAY 4: Item 1	6671
USER DISPLAY 4: Item 2	0
USER DISPLAY 4: Item 3	0
USER DISPLAY 4: Item 4	0
USER DISPLAY 4: Item 5	0
USER DISPLAY 5: Top Line	Potencia Activa
USER DISPLAY 5: Bottom Line	3P: ~
USER DISPLAY 5: Item 1	7168
USER DISPLAY 5: Item 2	0
USER DISPLAY 5: Item 3	0
USER DISPLAY 5: Item 4	0
USER DISPLAY 5: Item 5	0
USER DISPLAY 6: Top Line	Potencia Reactiva
USER DISPLAY 6: Bottom Line	3P: ~
USER DISPLAY 6: Item 1	7176
USER DISPLAY 6: Item 2	0
USER DISPLAY 6: Item 3	0
USER DISPLAY 6: Item 4	0
USER DISPLAY 6: Item 5	0
USER DISPLAY 7: Top Line	Factor Potencia
USER DISPLAY 7: Bottom Line	3P: ~
USER DISPLAY 7: Item 1	7192
USER DISPLAY 7: Item 2	0
USER DISPLAY 7: Item 3	0
USER DISPLAY 7: Item 4	0
USER DISPLAY 7: Item 5	0
USER DISPLAY 8: Top Line	Frecuencia Sistema
USER DISPLAY 8: Bottom Line	~
USER DISPLAY 8: Item 1	7552
USER DISPLAY 8: Item 2	0
USER DISPLAY 8: Item 3	0
USER DISPLAY 8: Item 4	0
USER DISPLAY 8: Item 5	0
USER DISPLAY 9: Top Line	Energia Activa Pos

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER-DEFINABLE DISPLAYS (continued from last page)

USER DISPLAY 9: Bottom Line	~
USER DISPLAY 9: Item 1	7424
USER DISPLAY 9: Item 2	0
USER DISPLAY 9: Item 3	0
USER DISPLAY 9: Item 4	0
USER DISPLAY 9: Item 5	0
USER DISPLAY 10: Top Line	Energia Activa Neg
USER DISPLAY 10: Bottom Line	~
USER DISPLAY 10: Item 1	7426
USER DISPLAY 10: Item 2	0
USER DISPLAY 10: Item 3	0
USER DISPLAY 10: Item 4	0
USER DISPLAY 10: Item 5	0
USER DISPLAY 11: Top Line	Energia Reactiva Pos
USER DISPLAY 11: Bottom Line	~
USER DISPLAY 11: Item 1	7428
USER DISPLAY 11: Item 2	0
USER DISPLAY 11: Item 3	0
USER DISPLAY 11: Item 4	0
USER DISPLAY 11: Item 5	0
USER DISPLAY 12: Top Line	Energia Reactiva Neg
USER DISPLAY 12: Bottom Line	~
USER DISPLAY 12: Item 1	7430
USER DISPLAY 12: Item 2	0
USER DISPLAY 12: Item 3	0
USER DISPLAY 12: Item 4	0
USER DISPLAY 12: Item 5	0
USER DISPLAY 13: Top Line	I Falla Ia:~
USER DISPLAY 13: Bottom Line	b:~ c:~
USER DISPLAY 13: Item 1	9042
USER DISPLAY 13: Item 2	9045
USER DISPLAY 13: Item 3	9048
USER DISPLAY 13: Item 4	0
USER DISPLAY 13: Item 5	0
USER DISPLAY 14: Top Line	Dist. Ultima Falla
USER DISPLAY 14: Bottom Line	~ (km)
USER DISPLAY 14: Item 1	9061
USER DISPLAY 14: Item 2	0
USER DISPLAY 14: Item 3	0
USER DISPLAY 14: Item 4	0
USER DISPLAY 14: Item 5	0
USER DISPLAY 15: Top Line	Soporte: IproElec
USER DISPLAY 15: Bottom Line	~
USER DISPLAY 15: Item 1	16800
USER DISPLAY 15: Item 2	0
USER DISPLAY 15: Item 3	0
USER DISPLAY 15: Item 4	0
USER DISPLAY 15: Item 5	0
USER DISPLAY 16: Top Line	S/E PARINACOTA - B3
USER DISPLAY 16: Bottom Line	PROTECCION 21/21N S2
USER DISPLAY 16: Item 1	0
USER DISPLAY 16: Item 2	0
USER DISPLAY 16: Item 3	0
USER DISPLAY 16: Item 4	0
USER DISPLAY 16: Item 5	0
Invoke and Scroll	CONTROL PUSHBUTTON 1 ON

INSTALLATION

Relay Settings	Programmed
Relay Name	EML-PAR-B3-21S2-D60

SYSTEM SETUP

AC INPUTS

CURRENT

CT F1: Phase CT Primary	400 A
CT F1: Phase CT Secondary	5 A
CT F1: Ground CT Primary	400 A
CT F1: Ground CT Secondary	5 A

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502****VOLTAGE**

VT F5: Phase VT Connection	Wye
VT F5: Phase VT Secondary	63.5 V
VT F5: Phase VT Ratio	600.00 :1
VT F5: Auxiliary VT Connection	Vag
VT F5: Auxiliary VT Secondary	63.5 V
VT F5: Auxiliary VT Ratio	600.00 :1

POWER SYSTEM

Nominal Frequency	50 Hz
Phase Rotation	ABC
Frequency And Phase Reference	52B3 (SRC 1)
Frequency Tracking Function	Enabled

SIGNAL SOURCES

SOURCE 1: Name	52B3
SOURCE 1: Phase CT	F1
SOURCE 1: Ground CT	F1
SOURCE 1: Phase VT	F5
SOURCE 1: Auxiliary VT	None
SOURCE 2: Name	SYNC
SOURCE 2: Phase CT	None
SOURCE 2: Ground CT	None
SOURCE 2: Phase VT	None
SOURCE 2: Auxiliary VT	None

BREAKERS

Breaker 1 Function	Enabled
Breaker 1 Push Button Control	Disabled
Breaker 1 Name	52B3
Breaker 1 Mode	1-Pole
Breaker 1 Open	OFF
Breaker 1 Block Open	OFF
Breaker 1 Close	OFF
Breaker 1 Block Close	OFF
Breaker 1 Phase A/3-Pole Closed	52B3 CE On(H8c)
Breaker 1 Phase A/3-Pole Opened	52B3 AB On(H7a)
Breaker 1 Phase B Closed	52B3 CE On(H8c)
Breaker 1 Phase B Opened	52B3 AB On(H7a)
Breaker 1 Phase C Closed	52B3 CE On(H8c)
Breaker 1 Phase C Opened	52B3 AB On(H7a)
Breaker 1 Toperate	0.070 s
Breaker 1 External Alarm	OFF
Breaker 1 Alarm Delay	0.000 s
Breaker 1 Manual Close Recal Time	0.000 s
Breaker 1 Out Of Service	OFF
Breaker 1 Events	Disabled
Breaker 2 Function	Disabled
Breaker 2 Push Button Control	Disabled
Breaker 2 Name	Bkr 2
Breaker 2 Mode	3-Pole
Breaker 2 Open	OFF
Breaker 2 Block Open	OFF
Breaker 2 Close	OFF
Breaker 2 Block Close	OFF
Breaker 2 Phase A/3-Pole Closed	OFF
Breaker 2 Phase A/3-Pole Opened	OFF
Breaker 2 Phase B Closed	OFF
Breaker 2 Phase B Opened	OFF
Breaker 2 Phase C Closed	OFF
Breaker 2 Phase C Opened	OFF
Breaker 2 Toperate	0.070 s
Breaker 2 External Alarm	OFF
Breaker 2 Alarm Delay	0.000 s
Breaker 2 Manual Close Recal Time	0.000 s
Breaker 2 Out Of Service	OFF
Breaker 2 Events	Disabled

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502****SWITCHES**

Switch 1 Function	Disabled
Switch 1 Name	SW 1
Switch 1 Mode	3-Pole
Switch 1 Open	OFF
Switch 1 Block Open	OFF
Switch 1 Close	OFF
Switch 1 Block Close	OFF
Switch 1 Phase A/3 Pole Closed	OFF
Switch 1 Phase A/3 Pole Opened	OFF
Switch 1 Phase B Closed	OFF
Switch 1 Phase B Opened	OFF
Switch 1 Phase C Closed	OFF
Switch 1 Phase C Opened	OFF
Switch 1 Toperate	0.070 s
Switch 1 Alarm Delay	0.000 s
Switch 1 Events	Disabled
Switch 2 Function	Disabled
Switch 2 Name	SW 2
Switch 2 Mode	3-Pole
Switch 2 Open	OFF
Switch 2 Block Open	OFF
Switch 2 Close	OFF
Switch 2 Block Close	OFF
Switch 2 Phase A/3 Pole Closed	OFF
Switch 2 Phase A/3 Pole Opened	OFF
Switch 2 Phase B Closed	OFF
Switch 2 Phase B Opened	OFF
Switch 2 Phase C Closed	OFF
Switch 2 Phase C Opened	OFF
Switch 2 Toperate	0.070 s
Switch 2 Alarm Delay	0.000 s
Switch 2 Events	Disabled
Switch 3 Function	Disabled
Switch 3 Name	SW 3
Switch 3 Mode	3-Pole
Switch 3 Open	OFF
Switch 3 Block Open	OFF
Switch 3 Close	OFF
Switch 3 Block Close	OFF
Switch 3 Phase A/3 Pole Closed	OFF
Switch 3 Phase A/3 Pole Opened	OFF
Switch 3 Phase B Closed	OFF
Switch 3 Phase B Opened	OFF
Switch 3 Phase C Closed	OFF
Switch 3 Phase C Opened	OFF
Switch 3 Toperate	0.070 s
Switch 3 Alarm Delay	0.000 s
Switch 3 Events	Disabled
Switch 4 Function	Disabled
Switch 4 Name	SW 4
Switch 4 Mode	3-Pole
Switch 4 Open	OFF
Switch 4 Block Open	OFF
Switch 4 Close	OFF
Switch 4 Block Close	OFF
Switch 4 Phase A/3 Pole Closed	OFF
Switch 4 Phase A/3 Pole Opened	OFF
Switch 4 Phase B Closed	OFF
Switch 4 Phase B Opened	OFF
Switch 4 Phase C Closed	OFF
Switch 4 Phase C Opened	OFF
Switch 4 Toperate	0.070 s
Switch 4 Alarm Delay	0.000 s
Switch 4 Events	Disabled
Switch 5 Function	Disabled
Switch 5 Name	SW 5
Switch 5 Mode	3-Pole
Switch 5 Open	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SWITCHES (continued from last page)

Switch 5 Block Open	OFF
Switch 5 Close	OFF
Switch 5 Block Close	OFF
Switch 5 Phase A/3 Pole Closed	OFF
Switch 5 Phase A/3 Pole Opened	OFF
Switch 5 Phase B Closed	OFF
Switch 5 Phase B Opened	OFF
Switch 5 Phase C Closed	OFF
Switch 5 Phase C Opened	OFF
Switch 5 Toperate	0.070 s
Switch 5 Alarm Delay	0.000 s
Switch 5 Events	Disabled
Switch 6 Function	Disabled
Switch 6 Name	SW 6
Switch 6 Mode	3-Pole
Switch 6 Open	OFF
Switch 6 Block Open	OFF
Switch 6 Close	OFF
Switch 6 Block Close	OFF
Switch 6 Phase A/3 Pole Closed	OFF
Switch 6 Phase A/3 Pole Opened	OFF
Switch 6 Phase B Closed	OFF
Switch 6 Phase B Opened	OFF
Switch 6 Phase C Closed	OFF
Switch 6 Phase C Opened	OFF
Switch 6 Toperate	0.070 s
Switch 6 Alarm Delay	0.000 s
Switch 6 Events	Disabled
Switch 7 Function	Disabled
Switch 7 Name	SW 7
Switch 7 Mode	3-Pole
Switch 7 Open	OFF
Switch 7 Block Open	OFF
Switch 7 Close	OFF
Switch 7 Block Close	OFF
Switch 7 Phase A/3 Pole Closed	OFF
Switch 7 Phase A/3 Pole Opened	OFF
Switch 7 Phase B Closed	OFF
Switch 7 Phase B Opened	OFF
Switch 7 Phase C Closed	OFF
Switch 7 Phase C Opened	OFF
Switch 7 Toperate	0.070 s
Switch 7 Alarm Delay	0.000 s
Switch 7 Events	Disabled
Switch 8 Function	Disabled
Switch 8 Name	SW 8
Switch 8 Mode	3-Pole
Switch 8 Open	OFF
Switch 8 Block Open	OFF
Switch 8 Close	OFF
Switch 8 Block Close	OFF
Switch 8 Phase A/3 Pole Closed	OFF
Switch 8 Phase A/3 Pole Opened	OFF
Switch 8 Phase B Closed	OFF
Switch 8 Phase B Opened	OFF
Switch 8 Phase C Closed	OFF
Switch 8 Phase C Opened	OFF
Switch 8 Toperate	0.070 s
Switch 8 Alarm Delay	0.000 s
Switch 8 Events	Disabled

FLEXCURVES

FLEXCURVE A

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE A (continued from last page)

0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE A (continued from last page)

4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE B

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE B (continued from last page)

0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE B (continued from last page)

5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE C

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE C (continued from last page)

0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE C (continued from last page)

11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE D

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE D (continued from last page)

1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE D (continued from last page)

18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXLOGIC

FLEXLOGIC EQUATION EDITOR

FlexLogic Entry 1	P.EXT.50BF-A On(P7a)
FlexLogic Entry 2	TRIP PHASE A
FlexLogic Entry 3	OR(2)
FlexLogic Entry 4	= PART 50BF-A (VO1)
FlexLogic Entry 5	P.EXT.50BF-B On(P7c)
FlexLogic Entry 6	TRIP PHASE B
FlexLogic Entry 7	OR(2)
FlexLogic Entry 8	= PART 50BF-B (VO2)
FlexLogic Entry 9	P.EXT.50BF-C On(P8a)
FlexLogic Entry 10	TRIP PHASE C
FlexLogic Entry 11	OR(2)
FlexLogic Entry 12	= PART 50BF-C (VO3)
FlexLogic Entry 13	PART 50BF-A On (VO1)
FlexLogic Entry 14	PART 50BF-B On (VO2)
FlexLogic Entry 15	PART 50BF-C On (VO3)
FlexLogic Entry 16	RX TRIP REM On(P8c)
FlexLogic Entry 17	OR(4)
FlexLogic Entry 18	= PART 50BF 3P (VO4)
FlexLogic Entry 19	P.EXT. 79 S1 On(W5a)
FlexLogic Entry 20	52B3 CE Off(H8c)
FlexLogic Entry 21	AND(2)
FlexLogic Entry 22	TIMER 6
FlexLogic Entry 23	TRIPBUS 2 OP
FlexLogic Entry 24	OR(2)
FlexLogic Entry 25	= PART 79 3P (VO5)
FlexLogic Entry 26	52B3-AL-SF6 On (RI1)
FlexLogic Entry 27	Off
FlexLogic Entry 28	OR(2)
FlexLogic Entry 29	= BLOCK 79 (VO6)
FlexLogic Entry 30	52B3 CE On(H8c)
FlexLogic Entry 31	POSITIVE ONE SHOT
FlexLogic Entry 32	79 RIP On (VO28)
FlexLogic Entry 33	NOT
FlexLogic Entry 34	AND(2)
FlexLogic Entry 35	52B3 CE MAN On(W2a)
FlexLogic Entry 36	POSITIVE ONE SHOT
FlexLogic Entry 37	OR(2)
FlexLogic Entry 38	= CE MAN 52B3 (VO7)
FlexLogic Entry 39	TRIPBUS 1 OP
FlexLogic Entry 40	TRIPBUS 2 OP
FlexLogic Entry 41	OR(2)
FlexLogic Entry 42	= TRIP PROT. (VO9)
FlexLogic Entry 43	AR CLOSE BKR 1
FlexLogic Entry 44	= CLOSE PROT. (VO10)
FlexLogic Entry 45	TRIP PROT. On (VO9)
FlexLogic Entry 46	POSITIVE ONE SHOT
FlexLogic Entry 47	CLOSE PROT. On (VO10)
FlexLogic Entry 48	POSITIVE ONE SHOT
FlexLogic Entry 49	TRIP 21S1 On (RI7)
FlexLogic Entry 50	POSITIVE ONE SHOT
FlexLogic Entry 51	52B3 CE On(H8c)
FlexLogic Entry 52	POSITIVE ONE SHOT
FlexLogic Entry 53	OR(4)
FlexLogic Entry 54	TIMER 32
FlexLogic Entry 55	= OSCIOGRAFIA (VO13)
FlexLogic Entry 56	PH DIST Z1 OP
FlexLogic Entry 57	GND DIST Z1 OP
FlexLogic Entry 58	OR(2)
FlexLogic Entry 59	TIMER 7
FlexLogic Entry 60	= SCA OP 21 Z1 (VO14)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 61	PH DIST Z2 OP
FlexLogic Entry 62	GND DIST Z2 OP
FlexLogic Entry 63	OR(2)
FlexLogic Entry 64	TIMER 8
FlexLogic Entry 65	= SCA OP 21 Z2 (VO15)
FlexLogic Entry 66	PH DIST Z3 OP
FlexLogic Entry 67	GND DIST Z3 OP
FlexLogic Entry 68	OR(2)
FlexLogic Entry 69	TIMER 9
FlexLogic Entry 70	= SCA OP 21 Z3 (VO16)
FlexLogic Entry 71	PH DIST Z4 OP
FlexLogic Entry 72	GND DIST Z4 OP
FlexLogic Entry 73	OR(2)
FlexLogic Entry 74	TIMER 10
FlexLogic Entry 75	= SCA OP 21 Z4 (VO17)
FlexLogic Entry 76	PH DIST Z5 OP
FlexLogic Entry 77	GND DIST Z5 OP
FlexLogic Entry 78	OR(2)
FlexLogic Entry 79	TIMER 11
FlexLogic Entry 80	= SCA OP 21 Z5 (VO18)
FlexLogic Entry 81	PHASE IOC1 OP
FlexLogic Entry 82	PHASE TOC1 OP
FlexLogic Entry 83	OR(2)
FlexLogic Entry 84	TIMER 12
FlexLogic Entry 85	= SCA OP 51P (VO19)
FlexLogic Entry 86	NEUTRAL IOC1 OP
FlexLogic Entry 87	NEUTRAL TOC1 OP
FlexLogic Entry 88	OR(2)
FlexLogic Entry 89	TIMER 13
FlexLogic Entry 90	= SCA OP 51N (VO20)
FlexLogic Entry 91	LINE PICKUP OP
FlexLogic Entry 92	TIMER 14
FlexLogic Entry 93	= SCA OP LINE (VO21)
FlexLogic Entry 94	52B3 CE On(H8c)
FlexLogic Entry 95	TIMER 5
FlexLogic Entry 96	= BLOCK SOTF (VO22)
FlexLogic Entry 97	S79 S2 ON On(U7c)
FlexLogic Entry 98	CTRL HAB 79 On(W1a)
FlexLogic Entry 99	AND(2)
FlexLogic Entry 100	= HAB 79 VO23 (VO23)
FlexLogic Entry 101	S79 S2 ON On(U7c)
FlexLogic Entry 102	NOT
FlexLogic Entry 103	CTRL DES 79 On(W1c)
FlexLogic Entry 104	S79 S1 ON On(U7a)
FlexLogic Entry 105	OR(3)
FlexLogic Entry 106	= DES 79 VO24 (VO24)
FlexLogic Entry 107	LATCH 1 ON
FlexLogic Entry 108	BLOCK 79 On (VO6)
FlexLogic Entry 109	OR(2)
FlexLogic Entry 110	= DES/HAB 79 (VO25)
FlexLogic Entry 111	52B3 CE On(H8c)
FlexLogic Entry 112	POSITIVE ONE SHOT
FlexLogic Entry 113	79 RIP On (VO28)
FlexLogic Entry 114	NOT
FlexLogic Entry 115	AND(2)
FlexLogic Entry 116	52B3 CE On(H8c)
FlexLogic Entry 117	LED TRIP
FlexLogic Entry 118	AND(2)
FlexLogic Entry 119	TIMER 2
FlexLogic Entry 120	POSITIVE ONE SHOT
FlexLogic Entry 121	OR(2)
FlexLogic Entry 122	TIMER 3
FlexLogic Entry 123	= RST DEVICE (VO26)
FlexLogic Entry 124	PH DIST Z2 PKP
FlexLogic Entry 125	GND DIST Z2 PKP
FlexLogic Entry 126	NTRL DIR OC1 FWD
FlexLogic Entry 127	OR(3)
FlexLogic Entry 128	= TX 85A/C (VO27)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 129	TRIP 1-POLE
FlexLogic Entry 130	TRIP 3-POLE
FlexLogic Entry 131	CLOSE PROT. On (VO10)
FlexLogic Entry 132	OR(3)
FlexLogic Entry 133	= TDD PROT. (VO11)
FlexLogic Entry 134	AR CLOSE BKR 1
FlexLogic Entry 135	TIMER 4
FlexLogic Entry 136	= 79 RIP (VO28)
FlexLogic Entry 137	TRIP PROT. On (VO9)
FlexLogic Entry 138	OP 21S1 Z1 On(W2c)
FlexLogic Entry 139	OP 21S1 Z2 On(W3a)
FlexLogic Entry 140	OP 21S1 Z3 On(W3c)
FlexLogic Entry 141	OP 21S1 Z4 On(W4a)
FlexLogic Entry 142	OR(5)
FlexLogic Entry 143	POSITIVE ONE SHOT
FlexLogic Entry 144	= TRIP FAULT R (VO30)
FlexLogic Entry 145	P.EXT. 79 S1 On(W5a)
FlexLogic Entry 146	52B3 CE Off(H8c)
FlexLogic Entry 147	AND(2)
FlexLogic Entry 148	= PEXT 79S1 OK (VO31)
FlexLogic Entry 149	NEG SEQ IOC1 OP
FlexLogic Entry 150	TIMER 15
FlexLogic Entry 151	= SCA OP 46 (VO38)
FlexLogic Entry 152	AR CLOSE BKR 1
FlexLogic Entry 153	TIMER 16
FlexLogic Entry 154	= SCA OP 79 S2 (VO34)
FlexLogic Entry 155	AR CLOSE BKR 1
FlexLogic Entry 156	OP 79 SIST.1 On(W6a)
FlexLogic Entry 157	OR(2)
FlexLogic Entry 158	TIMER 17
FlexLogic Entry 159	= SCA OP 79 B3 (VO35)
FlexLogic Entry 160	TRIP FAULT R On (VO30)
FlexLogic Entry 161	TIMER 18
FlexLogic Entry 162	= SCA FAULT R (VO36)
FlexLogic Entry 163	BKR FAIL 1 T1 OP
FlexLogic Entry 164	TIMER 19
FlexLogic Entry 165	= SCA OP 50BF (VO33)
FlexLogic Entry 166	TRIPBUS 1 OP
FlexLogic Entry 167	TRIPBUS 2 OP
FlexLogic Entry 168	OP 21S1 Z1 On(W2c)
FlexLogic Entry 169	OP 21S1 Z2 On(W3a)
FlexLogic Entry 170	OP 21S1 Z3 On(W3c)
FlexLogic Entry 171	OP 21S1 Z4 On(W4a)
FlexLogic Entry 172	OR(6)
FlexLogic Entry 173	TIMER 20
FlexLogic Entry 174	= SCA ANY B3 (VO37)
FlexLogic Entry 175	Off
FlexLogic Entry 176	TIMER 21
FlexLogic Entry 177	= SCA CUT LINE (VO39)
FlexLogic Entry 178	86B3 OP On (R15)
FlexLogic Entry 179	RX TRIP REM On(P8c)
FlexLogic Entry 180	Rx TRIP B3 On (R16)
FlexLogic Entry 181	OR(3)
FlexLogic Entry 182	TIMER 22
FlexLogic Entry 183	= SC AP B3 Rx (VO40)
FlexLogic Entry 184	OP 21S1 Z1 On(W2c)
FlexLogic Entry 185	TIMER 23
FlexLogic Entry 186	= OP 21S1 Z1 (VO41)
FlexLogic Entry 187	OP 21S1 Z2 On(W3a)
FlexLogic Entry 188	TIMER 24
FlexLogic Entry 189	= OP 21S1 Z2 (VO42)
FlexLogic Entry 190	OP 21S1 Z3 On(W3c)
FlexLogic Entry 191	TIMER 25
FlexLogic Entry 192	= OP 21S1 Z3 (VO43)
FlexLogic Entry 193	OP 21S1 Z4 On(W4a)
FlexLogic Entry 194	TIMER 26
FlexLogic Entry 195	= OP 21S1 Z4 (VO44)
FlexLogic Entry 196	OP 79 SIST.1 On(W6a)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 197	TIMER 27
FlexLogic Entry 198	= OP 79 SIST.1 (VO45)
FlexLogic Entry 199	PH DIR1 BLK A
FlexLogic Entry 200	= PH DIR1 BLKA (VO46)
FlexLogic Entry 201	PH DIR1 BLK B
FlexLogic Entry 202	= PH DIR1 BLKB (VO47)
FlexLogic Entry 203	PH DIR1 BLK C
FlexLogic Entry 204	= PH DIR1 BLKC (VO48)
FlexLogic Entry 205	END
FlexLogic Entry 206	END
FlexLogic Entry 207	END
FlexLogic Entry 208	END
FlexLogic Entry 209	END
FlexLogic Entry 210	END
FlexLogic Entry 211	END
FlexLogic Entry 212	END
FlexLogic Entry 213	END
FlexLogic Entry 214	END
FlexLogic Entry 215	END
FlexLogic Entry 216	END
FlexLogic Entry 217	END
FlexLogic Entry 218	END
FlexLogic Entry 219	END
FlexLogic Entry 220	END
FlexLogic Entry 221	END
FlexLogic Entry 222	END
FlexLogic Entry 223	END
FlexLogic Entry 224	END
FlexLogic Entry 225	END
FlexLogic Entry 226	END
FlexLogic Entry 227	END
FlexLogic Entry 228	END
FlexLogic Entry 229	END
FlexLogic Entry 230	END
FlexLogic Entry 231	END
FlexLogic Entry 232	END
FlexLogic Entry 233	END
FlexLogic Entry 234	END
FlexLogic Entry 235	END
FlexLogic Entry 236	END
FlexLogic Entry 237	END
FlexLogic Entry 238	END
FlexLogic Entry 239	END
FlexLogic Entry 240	END
FlexLogic Entry 241	END
FlexLogic Entry 242	END
FlexLogic Entry 243	END
FlexLogic Entry 244	END
FlexLogic Entry 245	END
FlexLogic Entry 246	END
FlexLogic Entry 247	END
FlexLogic Entry 248	END
FlexLogic Entry 249	END
FlexLogic Entry 250	END
FlexLogic Entry 251	END
FlexLogic Entry 252	END
FlexLogic Entry 253	END
FlexLogic Entry 254	END
FlexLogic Entry 255	END
FlexLogic Entry 256	END
FlexLogic Entry 257	END
FlexLogic Entry 258	END
FlexLogic Entry 259	END
FlexLogic Entry 260	END
FlexLogic Entry 261	END
FlexLogic Entry 262	END
FlexLogic Entry 263	END
FlexLogic Entry 264	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 265	END
FlexLogic Entry 266	END
FlexLogic Entry 267	END
FlexLogic Entry 268	END
FlexLogic Entry 269	END
FlexLogic Entry 270	END
FlexLogic Entry 271	END
FlexLogic Entry 272	END
FlexLogic Entry 273	END
FlexLogic Entry 274	END
FlexLogic Entry 275	END
FlexLogic Entry 276	END
FlexLogic Entry 277	END
FlexLogic Entry 278	END
FlexLogic Entry 279	END
FlexLogic Entry 280	END
FlexLogic Entry 281	END
FlexLogic Entry 282	END
FlexLogic Entry 283	END
FlexLogic Entry 284	END
FlexLogic Entry 285	END
FlexLogic Entry 286	END
FlexLogic Entry 287	END
FlexLogic Entry 288	END
FlexLogic Entry 289	END
FlexLogic Entry 290	END
FlexLogic Entry 291	END
FlexLogic Entry 292	END
FlexLogic Entry 293	END
FlexLogic Entry 294	END
FlexLogic Entry 295	END
FlexLogic Entry 296	END
FlexLogic Entry 297	END
FlexLogic Entry 298	END
FlexLogic Entry 299	END
FlexLogic Entry 300	END
FlexLogic Entry 301	END
FlexLogic Entry 302	END
FlexLogic Entry 303	END
FlexLogic Entry 304	END
FlexLogic Entry 305	END
FlexLogic Entry 306	END
FlexLogic Entry 307	END
FlexLogic Entry 308	END
FlexLogic Entry 309	END
FlexLogic Entry 310	END
FlexLogic Entry 311	END
FlexLogic Entry 312	END
FlexLogic Entry 313	END
FlexLogic Entry 314	END
FlexLogic Entry 315	END
FlexLogic Entry 316	END
FlexLogic Entry 317	END
FlexLogic Entry 318	END
FlexLogic Entry 319	END
FlexLogic Entry 320	END
FlexLogic Entry 321	END
FlexLogic Entry 322	END
FlexLogic Entry 323	END
FlexLogic Entry 324	END
FlexLogic Entry 325	END
FlexLogic Entry 326	END
FlexLogic Entry 327	END
FlexLogic Entry 328	END
FlexLogic Entry 329	END
FlexLogic Entry 330	END
FlexLogic Entry 331	END
FlexLogic Entry 332	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 333	END
FlexLogic Entry 334	END
FlexLogic Entry 335	END
FlexLogic Entry 336	END
FlexLogic Entry 337	END
FlexLogic Entry 338	END
FlexLogic Entry 339	END
FlexLogic Entry 340	END
FlexLogic Entry 341	END
FlexLogic Entry 342	END
FlexLogic Entry 343	END
FlexLogic Entry 344	END
FlexLogic Entry 345	END
FlexLogic Entry 346	END
FlexLogic Entry 347	END
FlexLogic Entry 348	END
FlexLogic Entry 349	END
FlexLogic Entry 350	END
FlexLogic Entry 351	END
FlexLogic Entry 352	END
FlexLogic Entry 353	END
FlexLogic Entry 354	END
FlexLogic Entry 355	END
FlexLogic Entry 356	END
FlexLogic Entry 357	END
FlexLogic Entry 358	END
FlexLogic Entry 359	END
FlexLogic Entry 360	END
FlexLogic Entry 361	END
FlexLogic Entry 362	END
FlexLogic Entry 363	END
FlexLogic Entry 364	END
FlexLogic Entry 365	END
FlexLogic Entry 366	END
FlexLogic Entry 367	END
FlexLogic Entry 368	END
FlexLogic Entry 369	END
FlexLogic Entry 370	END
FlexLogic Entry 371	END
FlexLogic Entry 372	END
FlexLogic Entry 373	END
FlexLogic Entry 374	END
FlexLogic Entry 375	END
FlexLogic Entry 376	END
FlexLogic Entry 377	END
FlexLogic Entry 378	END
FlexLogic Entry 379	END
FlexLogic Entry 380	END
FlexLogic Entry 381	END
FlexLogic Entry 382	END
FlexLogic Entry 383	END
FlexLogic Entry 384	END
FlexLogic Entry 385	END
FlexLogic Entry 386	END
FlexLogic Entry 387	END
FlexLogic Entry 388	END
FlexLogic Entry 389	END
FlexLogic Entry 390	END
FlexLogic Entry 391	END
FlexLogic Entry 392	END
FlexLogic Entry 393	END
FlexLogic Entry 394	END
FlexLogic Entry 395	END
FlexLogic Entry 396	END
FlexLogic Entry 397	END
FlexLogic Entry 398	END
FlexLogic Entry 399	END
FlexLogic Entry 400	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 401	END
FlexLogic Entry 402	END
FlexLogic Entry 403	END
FlexLogic Entry 404	END
FlexLogic Entry 405	END
FlexLogic Entry 406	END
FlexLogic Entry 407	END
FlexLogic Entry 408	END
FlexLogic Entry 409	END
FlexLogic Entry 410	END
FlexLogic Entry 411	END
FlexLogic Entry 412	END
FlexLogic Entry 413	END
FlexLogic Entry 414	END
FlexLogic Entry 415	END
FlexLogic Entry 416	END
FlexLogic Entry 417	END
FlexLogic Entry 418	END
FlexLogic Entry 419	END
FlexLogic Entry 420	END
FlexLogic Entry 421	END
FlexLogic Entry 422	END
FlexLogic Entry 423	END
FlexLogic Entry 424	END
FlexLogic Entry 425	END
FlexLogic Entry 426	END
FlexLogic Entry 427	END
FlexLogic Entry 428	END
FlexLogic Entry 429	END
FlexLogic Entry 430	END
FlexLogic Entry 431	END
FlexLogic Entry 432	END
FlexLogic Entry 433	END
FlexLogic Entry 434	END
FlexLogic Entry 435	END
FlexLogic Entry 436	END
FlexLogic Entry 437	END
FlexLogic Entry 438	END
FlexLogic Entry 439	END
FlexLogic Entry 440	END
FlexLogic Entry 441	END
FlexLogic Entry 442	END
FlexLogic Entry 443	END
FlexLogic Entry 444	END
FlexLogic Entry 445	END
FlexLogic Entry 446	END
FlexLogic Entry 447	END
FlexLogic Entry 448	END
FlexLogic Entry 449	END
FlexLogic Entry 450	END
FlexLogic Entry 451	END
FlexLogic Entry 452	END
FlexLogic Entry 453	END
FlexLogic Entry 454	END
FlexLogic Entry 455	END
FlexLogic Entry 456	END
FlexLogic Entry 457	END
FlexLogic Entry 458	END
FlexLogic Entry 459	END
FlexLogic Entry 460	END
FlexLogic Entry 461	END
FlexLogic Entry 462	END
FlexLogic Entry 463	END
FlexLogic Entry 464	END
FlexLogic Entry 465	END
FlexLogic Entry 466	END
FlexLogic Entry 467	END
FlexLogic Entry 468	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 469	END
FlexLogic Entry 470	END
FlexLogic Entry 471	END
FlexLogic Entry 472	END
FlexLogic Entry 473	END
FlexLogic Entry 474	END
FlexLogic Entry 475	END
FlexLogic Entry 476	END
FlexLogic Entry 477	END
FlexLogic Entry 478	END
FlexLogic Entry 479	END
FlexLogic Entry 480	END
FlexLogic Entry 481	END
FlexLogic Entry 482	END
FlexLogic Entry 483	END
FlexLogic Entry 484	END
FlexLogic Entry 485	END
FlexLogic Entry 486	END
FlexLogic Entry 487	END
FlexLogic Entry 488	END
FlexLogic Entry 489	END
FlexLogic Entry 490	END
FlexLogic Entry 491	END
FlexLogic Entry 492	END
FlexLogic Entry 493	END
FlexLogic Entry 494	END
FlexLogic Entry 495	END
FlexLogic Entry 496	END
FlexLogic Entry 497	END
FlexLogic Entry 498	END
FlexLogic Entry 499	END
FlexLogic Entry 500	END
FlexLogic Entry 501	END
FlexLogic Entry 502	END
FlexLogic Entry 503	END
FlexLogic Entry 504	END
FlexLogic Entry 505	END
FlexLogic Entry 506	END
FlexLogic Entry 507	END
FlexLogic Entry 508	END
FlexLogic Entry 509	END
FlexLogic Entry 510	END
FlexLogic Entry 511	END
FlexLogic Entry 512	END

FLEXLOGIC TIMERS

Timer 1: Type	millisecond
Timer 1: Pickup Delay	0
Timer 1: Dropout Delay	150
Timer 2: Type	minute
Timer 2: Pickup Delay	720
Timer 2: Dropout Delay	0
Timer 3: Type	millisecond
Timer 3: Pickup Delay	0
Timer 3: Dropout Delay	400
Timer 4: Type	second
Timer 4: Pickup Delay	0
Timer 4: Dropout Delay	2
Timer 5: Type	millisecond
Timer 5: Pickup Delay	150
Timer 5: Dropout Delay	0
Timer 6: Type	millisecond
Timer 6: Pickup Delay	5
Timer 6: Dropout Delay	0
Timer 7: Type	millisecond
Timer 7: Pickup Delay	0
Timer 7: Dropout Delay	500
Timer 8: Type	millisecond

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC TIMERS (continued from last page)

Timer 8: Pickup Delay	0
Timer 8: Dropout Delay	500
Timer 9: Type	millisecond
Timer 9: Pickup Delay	0
Timer 9: Dropout Delay	500
Timer 10: Type	millisecond
Timer 10: Pickup Delay	0
Timer 10: Dropout Delay	500
Timer 11: Type	millisecond
Timer 11: Pickup Delay	0
Timer 11: Dropout Delay	500
Timer 12: Type	millisecond
Timer 12: Pickup Delay	0
Timer 12: Dropout Delay	500
Timer 13: Type	millisecond
Timer 13: Pickup Delay	0
Timer 13: Dropout Delay	500
Timer 14: Type	millisecond
Timer 14: Pickup Delay	0
Timer 14: Dropout Delay	500
Timer 15: Type	millisecond
Timer 15: Pickup Delay	0
Timer 15: Dropout Delay	500
Timer 16: Type	millisecond
Timer 16: Pickup Delay	0
Timer 16: Dropout Delay	500
Timer 17: Type	millisecond
Timer 17: Pickup Delay	0
Timer 17: Dropout Delay	500
Timer 18: Type	millisecond
Timer 18: Pickup Delay	0
Timer 18: Dropout Delay	500
Timer 19: Type	millisecond
Timer 19: Pickup Delay	0
Timer 19: Dropout Delay	500
Timer 20: Type	millisecond
Timer 20: Pickup Delay	0
Timer 20: Dropout Delay	500
Timer 21: Type	millisecond
Timer 21: Pickup Delay	0
Timer 21: Dropout Delay	500
Timer 22: Type	millisecond
Timer 22: Pickup Delay	0
Timer 22: Dropout Delay	500
Timer 23: Type	millisecond
Timer 23: Pickup Delay	0
Timer 23: Dropout Delay	500
Timer 24: Type	millisecond
Timer 24: Pickup Delay	0
Timer 24: Dropout Delay	500
Timer 25: Type	millisecond
Timer 25: Pickup Delay	0
Timer 25: Dropout Delay	500
Timer 26: Type	millisecond
Timer 26: Pickup Delay	0
Timer 26: Dropout Delay	500
Timer 27: Type	millisecond
Timer 27: Pickup Delay	0
Timer 27: Dropout Delay	500
Timer 28: Type	millisecond
Timer 28: Pickup Delay	0
Timer 28: Dropout Delay	0
Timer 29: Type	millisecond
Timer 29: Pickup Delay	0
Timer 29: Dropout Delay	0
Timer 30: Type	millisecond
Timer 30: Pickup Delay	0
Timer 30: Dropout Delay	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC TIMERS (continued from last page)

Timer 31: Type	millisecond
Timer 31: Pickup Delay	0
Timer 31: Dropout Delay	0
Timer 32: Type	millisecond
Timer 32: Pickup Delay	0
Timer 32: Dropout Delay	200

FLEXELEMENTS

FLEXELEMENTS 1: Function	Disabled
FLEXELEMENTS 1: Name	FxE 1
FLEXELEMENTS 1: InputPlus	OFF
FLEXELEMENTS 1: InputMinus	OFF
FLEXELEMENTS 1: InputMode	SIGNED
FLEXELEMENTS 1: Compare Mode	LEVEL
FLEXELEMENTS 1: Direction Type	OVER
FLEXELEMENTS 1: Pickup	1.000 pu
FLEXELEMENTS 1: Hysteresis	3.0 %
FLEXELEMENTS 1: DeltaTUnits	Milliseconds
FLEXELEMENTS 1: DeltaT	20
FLEXELEMENTS 1: Pickup Delay	0.000 s
FLEXELEMENTS 1: Reset Delay	0.000 s
FLEXELEMENTS 1: Block	OFF
FLEXELEMENTS 1: Target	Self-reset
FLEXELEMENTS 1: Events	Disabled
FLEXELEMENTS 2: Function	Disabled
FLEXELEMENTS 2: Name	FxE 2
FLEXELEMENTS 2: InputPlus	OFF
FLEXELEMENTS 2: InputMinus	OFF
FLEXELEMENTS 2: InputMode	SIGNED
FLEXELEMENTS 2: Compare Mode	LEVEL
FLEXELEMENTS 2: Direction Type	OVER
FLEXELEMENTS 2: Pickup	1.000 pu
FLEXELEMENTS 2: Hysteresis	3.0 %
FLEXELEMENTS 2: DeltaTUnits	Milliseconds
FLEXELEMENTS 2: DeltaT	20
FLEXELEMENTS 2: Pickup Delay	0.000 s
FLEXELEMENTS 2: Reset Delay	0.000 s
FLEXELEMENTS 2: Block	OFF
FLEXELEMENTS 2: Target	Self-reset
FLEXELEMENTS 2: Events	Disabled
FLEXELEMENTS 3: Function	Disabled
FLEXELEMENTS 3: Name	FxE 3
FLEXELEMENTS 3: InputPlus	OFF
FLEXELEMENTS 3: InputMinus	OFF
FLEXELEMENTS 3: InputMode	SIGNED
FLEXELEMENTS 3: Compare Mode	LEVEL
FLEXELEMENTS 3: Direction Type	OVER
FLEXELEMENTS 3: Pickup	1.000 pu
FLEXELEMENTS 3: Hysteresis	3.0 %
FLEXELEMENTS 3: DeltaTUnits	Milliseconds
FLEXELEMENTS 3: DeltaT	20
FLEXELEMENTS 3: Pickup Delay	0.000 s
FLEXELEMENTS 3: Reset Delay	0.000 s
FLEXELEMENTS 3: Block	OFF
FLEXELEMENTS 3: Target	Self-reset
FLEXELEMENTS 3: Events	Disabled
FLEXELEMENTS 4: Function	Disabled
FLEXELEMENTS 4: Name	FxE 4
FLEXELEMENTS 4: InputPlus	OFF
FLEXELEMENTS 4: InputMinus	OFF
FLEXELEMENTS 4: InputMode	SIGNED
FLEXELEMENTS 4: Compare Mode	LEVEL
FLEXELEMENTS 4: Direction Type	OVER
FLEXELEMENTS 4: Pickup	1.000 pu
FLEXELEMENTS 4: Hysteresis	3.0 %
FLEXELEMENTS 4: DeltaTUnits	Milliseconds
FLEXELEMENTS 4: DeltaT	20
FLEXELEMENTS 4: Pickup Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXELEMENTS (continued from last page)

FLEXELEMENTS 4: Reset Delay	0.000 s
FLEXELEMENTS 4: Block	OFF
FLEXELEMENTS 4: Target	Self-reset
FLEXELEMENTS 4: Events	Disabled
FLEXELEMENTS 5: Function	Disabled
FLEXELEMENTS 5: Name	FxE 5
FLEXELEMENTS 5: InputPlus	OFF
FLEXELEMENTS 5: InputMinus	OFF
FLEXELEMENTS 5: InputMode	SIGNED
FLEXELEMENTS 5: Compare Mode	LEVEL
FLEXELEMENTS 5: Direction Type	OVER
FLEXELEMENTS 5: Pickup	1.000 pu
FLEXELEMENTS 5: Hysteresis	3.0 %
FLEXELEMENTS 5: DeltaTUnits	Milliseconds
FLEXELEMENTS 5: DeltaT	20
FLEXELEMENTS 5: Pickup Delay	0.000 s
FLEXELEMENTS 5: Reset Delay	0.000 s
FLEXELEMENTS 5: Block	OFF
FLEXELEMENTS 5: Target	Self-reset
FLEXELEMENTS 5: Events	Disabled
FLEXELEMENTS 6: Function	Disabled
FLEXELEMENTS 6: Name	FxE 6
FLEXELEMENTS 6: InputPlus	OFF
FLEXELEMENTS 6: InputMinus	OFF
FLEXELEMENTS 6: InputMode	SIGNED
FLEXELEMENTS 6: Compare Mode	LEVEL
FLEXELEMENTS 6: Direction Type	OVER
FLEXELEMENTS 6: Pickup	1.000 pu
FLEXELEMENTS 6: Hysteresis	3.0 %
FLEXELEMENTS 6: DeltaTUnits	Milliseconds
FLEXELEMENTS 6: DeltaT	20
FLEXELEMENTS 6: Pickup Delay	0.000 s
FLEXELEMENTS 6: Reset Delay	0.000 s
FLEXELEMENTS 6: Block	OFF
FLEXELEMENTS 6: Target	Self-reset
FLEXELEMENTS 6: Events	Disabled
FLEXELEMENTS 7: Function	Disabled
FLEXELEMENTS 7: Name	FxE 7
FLEXELEMENTS 7: InputPlus	OFF
FLEXELEMENTS 7: InputMinus	OFF
FLEXELEMENTS 7: InputMode	SIGNED
FLEXELEMENTS 7: Compare Mode	LEVEL
FLEXELEMENTS 7: Direction Type	OVER
FLEXELEMENTS 7: Pickup	1.000 pu
FLEXELEMENTS 7: Hysteresis	3.0 %
FLEXELEMENTS 7: DeltaTUnits	Milliseconds
FLEXELEMENTS 7: DeltaT	20
FLEXELEMENTS 7: Pickup Delay	0.000 s
FLEXELEMENTS 7: Reset Delay	0.000 s
FLEXELEMENTS 7: Block	OFF
FLEXELEMENTS 7: Target	Self-reset
FLEXELEMENTS 7: Events	Disabled
FLEXELEMENTS 8: Function	Disabled
FLEXELEMENTS 8: Name	FxE 8
FLEXELEMENTS 8: InputPlus	OFF
FLEXELEMENTS 8: InputMinus	OFF
FLEXELEMENTS 8: InputMode	SIGNED
FLEXELEMENTS 8: Compare Mode	LEVEL
FLEXELEMENTS 8: Direction Type	OVER
FLEXELEMENTS 8: Pickup	1.000 pu
FLEXELEMENTS 8: Hysteresis	3.0 %
FLEXELEMENTS 8: DeltaTUnits	Milliseconds
FLEXELEMENTS 8: DeltaT	20
FLEXELEMENTS 8: Pickup Delay	0.000 s
FLEXELEMENTS 8: Reset Delay	0.000 s
FLEXELEMENTS 8: Block	OFF
FLEXELEMENTS 8: Target	Self-reset
FLEXELEMENTS 8: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NON-VOLATILE LATCHES

LATCH 1: Function	Enabled
LATCH 1: Type	Set Dominant
LATCH 1: Set	DES 79 VO24 On (VO24)
LATCH 1: Reset	HAB 79 VO23 On (VO23)
LATCH 1: Target	Disabled
LATCH 1: Events	Disabled
LATCH 2: Function	Disabled
LATCH 2: Type	Reset Dominant
LATCH 2: Set	OFF
LATCH 2: Reset	OFF
LATCH 2: Target	Self-reset
LATCH 2: Events	Disabled
LATCH 3: Function	Disabled
LATCH 3: Type	Reset Dominant
LATCH 3: Set	OFF
LATCH 3: Reset	OFF
LATCH 3: Target	Self-reset
LATCH 3: Events	Disabled
LATCH 4: Function	Disabled
LATCH 4: Type	Reset Dominant
LATCH 4: Set	OFF
LATCH 4: Reset	OFF
LATCH 4: Target	Self-reset
LATCH 4: Events	Disabled
LATCH 5: Function	Disabled
LATCH 5: Type	Reset Dominant
LATCH 5: Set	OFF
LATCH 5: Reset	OFF
LATCH 5: Target	Self-reset
LATCH 5: Events	Disabled
LATCH 6: Function	Disabled
LATCH 6: Type	Reset Dominant
LATCH 6: Set	OFF
LATCH 6: Reset	OFF
LATCH 6: Target	Self-reset
LATCH 6: Events	Disabled
LATCH 7: Function	Disabled
LATCH 7: Type	Reset Dominant
LATCH 7: Set	OFF
LATCH 7: Reset	OFF
LATCH 7: Target	Self-reset
LATCH 7: Events	Disabled
LATCH 8: Function	Disabled
LATCH 8: Type	Reset Dominant
LATCH 8: Set	OFF
LATCH 8: Reset	OFF
LATCH 8: Target	Self-reset
LATCH 8: Events	Disabled
LATCH 9: Function	Disabled
LATCH 9: Type	Reset Dominant
LATCH 9: Set	OFF
LATCH 9: Reset	OFF
LATCH 9: Target	Self-reset
LATCH 9: Events	Disabled
LATCH 10: Function	Disabled
LATCH 10: Type	Reset Dominant
LATCH 10: Set	OFF
LATCH 10: Reset	OFF
LATCH 10: Target	Self-reset
LATCH 10: Events	Disabled
LATCH 11: Function	Disabled
LATCH 11: Type	Reset Dominant
LATCH 11: Set	OFF
LATCH 11: Reset	OFF
LATCH 11: Target	Self-reset
LATCH 11: Events	Disabled
LATCH 12: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NON-VOLATILE LATCHES (continued from last page)

LATCH 12: Type	Reset Dominant
LATCH 12: Set	OFF
LATCH 12: Reset	OFF
LATCH 12: Target	Self-reset
LATCH 12: Events	Disabled
LATCH 13: Function	Disabled
LATCH 13: Type	Reset Dominant
LATCH 13: Set	OFF
LATCH 13: Reset	OFF
LATCH 13: Target	Self-reset
LATCH 13: Events	Disabled
LATCH 14: Function	Disabled
LATCH 14: Type	Reset Dominant
LATCH 14: Set	OFF
LATCH 14: Reset	OFF
LATCH 14: Target	Self-reset
LATCH 14: Events	Disabled
LATCH 15: Function	Disabled
LATCH 15: Type	Reset Dominant
LATCH 15: Set	OFF
LATCH 15: Reset	OFF
LATCH 15: Target	Self-reset
LATCH 15: Events	Disabled
LATCH 16: Function	Disabled
LATCH 16: Type	Reset Dominant
LATCH 16: Set	OFF
LATCH 16: Reset	OFF
LATCH 16: Target	Self-reset
LATCH 16: Events	Disabled

GROUPED ELEMENTS

GROUP 1

LINE PICKUP [GROUP 1]

Function	Enabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.500 pu
UV Pickup	0.800 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	BREAKER 1 OPEN
AR Accelerate	OFF
Distance Trip	Enabled
Block	BLOCK SOTF On (VO22)
Target	Latched
Events	Enabled

DISTANCE

DISTANCE [GROUP 1]

Source	52B3 (SRC 1)
Memory Duration	7 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 1]

PHASE DISTANCE Z1: Function	Enabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Quad
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	4.21 ohms
PHASE DISTANCE Z1: RCA	90 deg
PHASE DISTANCE Z1: Rev Reach	1.91 ohms
PHASE DISTANCE Z1: Rev Reach RCA	90 deg
PHASE DISTANCE Z1: Comp Limit	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 1] (continued from last page)

PHASE DISTANCE Z1: DIR RCA	70 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	8.42 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z1: Quad Left Blinder	8.42 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z1: Target	Latched
PHASE DISTANCE Z1: Events	Enabled
PHASE DISTANCE Z2: Function	Enabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Quad
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	11.90 ohms
PHASE DISTANCE Z2: RCA	90 deg
PHASE DISTANCE Z2: Rev Reach	1.91 ohms
PHASE DISTANCE Z2: Rev Reach RCA	90 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	70 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	23.79 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z2: Quad Left Blinder	23.79 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	2.500 s
PHASE DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z2: Target	Latched
PHASE DISTANCE Z2: Events	Enabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 1] (continued from last page)

PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 1]

GROUND DISTANCE Z1: Function	Enabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Quad
GROUND DISTANCE Z1: Z0/Z1 Mag	1.00
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	4.21 ohms
GROUND DISTANCE Z1: RCA	90 deg
GROUND DISTANCE Z1: Rev Reach	1.91 ohms
GROUND DISTANCE Z1: Rev Reach RCA	90 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	70 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	8.42 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z1: Quad Left Blinder	8.42 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z1: Supervision	0.100 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z1: Target	Latched
GROUND DISTANCE Z1: Events	Enabled
GROUND DISTANCE Z2: Function	Enabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Quad
GROUND DISTANCE Z2: Z0/Z1 Mag	1.00
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	11.90 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 1] (continued from last page)

GROUND DISTANCE Z2: RCA	90 deg
GROUND DISTANCE Z2: Rev Reach	1.91 ohms
GROUND DISTANCE Z2: Rev Reach RCA	90 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	70 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	23.79 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z2: Quad Left Blinder	23.79 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z2: Supervision	0.100 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	2.500 s
GROUND DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z2: Target	Latched
GROUND DISTANCE Z2: Events	Enabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 1] (continued from last page)

GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 1]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 1]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOAD ENCROACHMENT [GROUP 1] (continued from last page)

Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 1]

PHASE TOC1: Function	Enabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	0.288 pu
PHASE TOC1: Curve	IEC Curve B
PHASE TOC1: TD Multiplier	0.50
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	PH DIR1 BLK A
PHASE TOC1: Block B	PH DIR1 BLK B
PHASE TOC1: Block C	PH DIR1 BLK C
PHASE TOC1: Target	Latched
PHASE TOC1: Events	Enabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 1]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	5.000 pu
PHASE IOC1: Delay	0.40 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Latched
PHASE IOC1: Events	Enabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 1]

PHASE DIR1: Function	Enabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.020 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Disabled
PHASE DIR1: Events	Enabled
PHASE DIR2: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DIRECTIONAL [GROUP 1] (continued from last page)

PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 1]

NEUTRAL TOC1: Function	Enabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	0.024 pu
NEUTRAL TOC1: Curve	IEC Curve C
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	NTRL DIR OC1 REV
NEUTRAL TOC1: Target	Latched
NEUTRAL TOC1: Events	Enabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 1]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	3.500 pu
NEUTRAL IOC1: Delay	0.10 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Latched
NEUTRAL IOC1: Events	Enabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 1]

NEUTRAL DIR OC1: Function	Enabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Measured IG
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	60 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Disabled
NEUTRAL DIR OC1: Events	Enabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 1] (continued from last page)

NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 310
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 1]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 1]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 1] (continued from last page)

GROUND TOC2: Events Disabled

GROUND IOC [GROUP 1]

GROUND IOC1: Function Disabled
 GROUND IOC1: Source 52B3 (SRC 1)
 GROUND IOC1: Pickup 1.000 pu
 GROUND IOC1: Delay 0.00 s
 GROUND IOC1: Reset Delay 0.00 s
 GROUND IOC1: Block OFF
 GROUND IOC1: Target Self-reset
 GROUND IOC1: Events Disabled
 GROUND IOC2: Function Disabled
 GROUND IOC2: Source 52B3 (SRC 1)
 GROUND IOC2: Pickup 1.000 pu
 GROUND IOC2: Delay 0.00 s
 GROUND IOC2: Reset Delay 0.00 s
 GROUND IOC2: Block OFF
 GROUND IOC2: Target Self-reset
 GROUND IOC2: Events Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 1]

NEGATIVE SEQ TOC1: Function Disabled
 NEGATIVE SEQ TOC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ TOC1: Pickup 1.000 pu
 NEGATIVE SEQ TOC1: Curve IEEE Mod Inv
 NEGATIVE SEQ TOC1: TD Multiplier 1.00
 NEGATIVE SEQ TOC1: Reset Instantaneous
 NEGATIVE SEQ TOC1: Block OFF
 NEGATIVE SEQ TOC1: Target Self-reset
 NEGATIVE SEQ TOC1: Events Disabled
 NEGATIVE SEQ TOC2: Function Disabled
 NEGATIVE SEQ TOC2: Source 52B3 (SRC 1)
 NEGATIVE SEQ TOC2: Pickup 1.000 pu
 NEGATIVE SEQ TOC2: Curve IEEE Mod Inv
 NEGATIVE SEQ TOC2: TD Multiplier 1.00
 NEGATIVE SEQ TOC2: Reset Instantaneous
 NEGATIVE SEQ TOC2: Block OFF
 NEGATIVE SEQ TOC2: Target Self-reset
 NEGATIVE SEQ TOC2: Events Disabled

NEGATIVE SEQUENCE IOC [GROUP 1]

NEGATIVE SEQ IOC1: Function Disabled
 NEGATIVE SEQ IOC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ IOC1: Pickup 0.150 pu
 NEGATIVE SEQ IOC1: Delay 1.50 s
 NEGATIVE SEQ IOC1: Reset Delay 0.00 s
 NEGATIVE SEQ IOC1: Block OFF
 NEGATIVE SEQ IOC1: Target Latched
 NEGATIVE SEQ IOC1: Events Enabled
 NEGATIVE SEQ IOC2: Function Disabled
 NEGATIVE SEQ IOC2: Source 52B3 (SRC 1)
 NEGATIVE SEQ IOC2: Pickup 1.000 pu
 NEGATIVE SEQ IOC2: Delay 0.00 s
 NEGATIVE SEQ IOC2: Reset Delay 0.00 s
 NEGATIVE SEQ IOC2: Block OFF
 NEGATIVE SEQ IOC2: Target Self-reset
 NEGATIVE SEQ IOC2: Events Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 1]

NEGATIVE SEQ DIR OC1: Function Disabled
 NEGATIVE SEQ DIR OC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ DIR OC1: Offset 0.00 ohms
 NEGATIVE SEQ DIR OC1: Type Neg Sequence
 NEGATIVE SEQ DIR OC1: POS SEQ Restraint 0.063
 NEGATIVE SEQ DIR OC1: Forward ECA 75 ° Lag
 NEGATIVE SEQ DIR OC1: Forward Limit Angle 90 deg
 NEGATIVE SEQ DIR OC1: Forward Pickup 0.050 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 1] (continued from last page)

NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 1]

BF1: Function	Enabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	No
BF1: Use Seal-In	No
BF1: Three Pole Initiate	PART 50BF 3P On (VO4)
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.440 pu
BF1: Neutral Current Supv Pickup	0.120 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.200 s
BF1: Use Timer 2	No
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	No
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	52B3 CE On(H8c)
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.440 pu
BF1: Neutral Current HiSet Pickup	0.120 pu
BF1: Phase Current LoSet Pickup	1.440 pu
BF1: Neutral Current LoSet Pickup	0.120 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Latched
BF1: Events	Enabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 1] (continued from last page)

BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 1]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 1]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 1]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL OV [GROUP 1] (continued from last page)

NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 1]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 1]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 1]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

AUXILIARY OV [GROUP 1] (continued from last page)

AUXILIARY OV 1: Events Disabled

COMPENSATED OVERVOLTAGE [GROUP 1]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I _l max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 2

LINE PICKUP [GROUP 2]

Function	Enabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.500 pu
UV Pickup	0.800 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	BREAKER 1 OPEN
AR Accelerate	OFF
Distance Trip	Enabled
Block	BLOCK SOTF On (VO22)
Target	Latched
Events	Enabled

DISTANCE

DISTANCE [GROUP 2]

Source	52B3 (SRC 1)
Memory Duration	7 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 2]

PHASE DISTANCE Z1: Function	Enabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Quad
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	0.16 ohms
PHASE DISTANCE Z1: RCA	90 deg
PHASE DISTANCE Z1: Rev Reach	0.17 ohms
PHASE DISTANCE Z1: Rev Reach RCA	60 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	70 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	0.32 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z1: Quad Left Blinder	0.71 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z1: Target	Latched
PHASE DISTANCE Z1: Events	Enabled
PHASE DISTANCE Z2: Function	Enabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 2] (continued from last page)

PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Quad
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	0.37 ohms
PHASE DISTANCE Z2: RCA	90 deg
PHASE DISTANCE Z2: Rev Reach	0.37 ohms
PHASE DISTANCE Z2: Rev Reach RCA	90 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	70 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	0.74 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z2: Quad Left Blinder	0.74 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.400 s
PHASE DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z2: Target	Latched
PHASE DISTANCE Z2: Events	Enabled
PHASE DISTANCE Z3: Function	Enabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Quad
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	0.75 ohms
PHASE DISTANCE Z3: RCA	90 deg
PHASE DISTANCE Z3: Rev Reach	0.26 ohms
PHASE DISTANCE Z3: Rev Reach RCA	90 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	70 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	1.50 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z3: Quad Left Blinder	1.50 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.800 s
PHASE DISTANCE Z3: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z3: Target	Latched
PHASE DISTANCE Z3: Events	Enabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Enabled
PHASE DISTANCE Z5: Direction	Reverse
PHASE DISTANCE Z5: Shape	Quad

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 2] (continued from last page)

PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	0.07 ohms
PHASE DISTANCE Z5: RCA	90 deg
PHASE DISTANCE Z5: Rev Reach	0.02 ohms
PHASE DISTANCE Z5: Rev Reach RCA	90 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	73 deg
PHASE DISTANCE Z5: DIR Comp Limit	75 deg
PHASE DISTANCE Z5: Quad Right Blinder	0.13 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z5: Quad Left Blinder	0.13 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.400 s
PHASE DISTANCE Z5: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z5: Target	Latched
PHASE DISTANCE Z5: Events	Enabled

GROUND DISTANCE [GROUP 2]

GROUND DISTANCE Z1: Function	Enabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Quad
GROUND DISTANCE Z1: Z0/Z1 Mag	4.00
GROUND DISTANCE Z1: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	0.16 ohms
GROUND DISTANCE Z1: RCA	90 deg
GROUND DISTANCE Z1: Rev Reach	0.08 ohms
GROUND DISTANCE Z1: Rev Reach RCA	90 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	70 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	0.32 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z1: Quad Left Blinder	0.32 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z1: Target	Latched
GROUND DISTANCE Z1: Events	Enabled
GROUND DISTANCE Z2: Function	Enabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Quad
GROUND DISTANCE Z2: Z0/Z1 Mag	4.00
GROUND DISTANCE Z2: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	0.37 ohms
GROUND DISTANCE Z2: RCA	90 deg
GROUND DISTANCE Z2: Rev Reach	0.37 ohms
GROUND DISTANCE Z2: Rev Reach RCA	90 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	70 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	0.74 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z2: Quad Left Blinder	0.74 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z2: Supervision	0.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 2] (continued from last page)

GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.400 s
GROUND DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z2: Target	Latched
GROUND DISTANCE Z2: Events	Enabled
GROUND DISTANCE Z3: Function	Enabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Quad
GROUND DISTANCE Z3: Z0/Z1 Mag	4.00
GROUND DISTANCE Z3: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	0.75 ohms
GROUND DISTANCE Z3: RCA	90 deg
GROUND DISTANCE Z3: Rev Reach	0.26 ohms
GROUND DISTANCE Z3: Rev Reach RCA	90 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	70 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	1.50 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z3: Quad Left Blinder	1.50 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.800 s
GROUND DISTANCE Z3: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z3: Target	Latched
GROUND DISTANCE Z3: Events	Enabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Enabled
GROUND DISTANCE Z5: Direction	Reverse
GROUND DISTANCE Z5: Shape	Quad
GROUND DISTANCE Z5: Z0/Z1 Mag	4.00
GROUND DISTANCE Z5: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	0.07 ohms
GROUND DISTANCE Z5: RCA	90 deg
GROUND DISTANCE Z5: Rev Reach	0.02 ohms
GROUND DISTANCE Z5: Rev Reach RCA	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 2] (continued from last page)

GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	73 deg
GROUND DISTANCE Z5: DIR Comp Limit	75 deg
GROUND DISTANCE Z5: Quad Right Blinder	0.13 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z5: Quad Left Blinder	0.13 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.400 s
GROUND DISTANCE Z5: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z5: Target	Latched
GROUND DISTANCE Z5: Events	Enabled

POWER SWING DETECT [GROUP 2]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 2]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 2]

PHASE TOC1: Function	Enabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE TOC [GROUP 2] (continued from last page)

PHASE TOC1: Curve	IEC Curve B
PHASE TOC1: TD Multiplier	0.14
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	PH DIR1 BLK A
PHASE TOC1: Block B	PH DIR1 BLK B
PHASE TOC1: Block C	PH DIR1 BLK C
PHASE TOC1: Target	Latched
PHASE TOC1: Events	Enabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 2]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	5.000 pu
PHASE IOC1: Delay	0.80 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Latched
PHASE IOC1: Events	Enabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 2]

PHASE DIR1: Function	Enabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	40 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Disabled
PHASE DIR1: Events	Enabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 2]

NEUTRAL TOC1: Function	Enabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL TOC [GROUP 2] (continued from last page)

NEUTRAL TOC1: Pickup	0.100 pu
NEUTRAL TOC1: Curve	IEC Curve C
NEUTRAL TOC1: TD Multiplier	2.45
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	NTRL DIR OC1 REV
NEUTRAL TOC1: Target	Latched
NEUTRAL TOC1: Events	Enabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 2]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	0.040 pu
NEUTRAL IOC1: Delay	0.60 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Latched
NEUTRAL IOC1: Events	Enabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 2]

NEUTRAL DIR OC1: Function	Enabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Measured IG
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	60 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Disabled
NEUTRAL DIR OC1: Events	Enabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 2]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 2]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 2]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND IOC [GROUP 2] (continued from last page)

GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 2]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 2]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	0.150 pu
NEGATIVE SEQ IOC1: Delay	1.50 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Latched
NEGATIVE SEQ IOC1: Events	Enabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 2]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 2] (continued from last page)

NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 2]

BF1: Function	Enabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	No
BF1: Use Seal-In	No
BF1: Three Pole Initiate	PART 50BF 3P On (VO4)
BF1: Block	OFF
BF1: Phase Current Supv Pickup	6.000 pu
BF1: Neutral Current Supv Pickup	0.500 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.200 s
BF1: Use Timer 2	No
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	No
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	52B3 CE On(H8c)
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	6.000 pu
BF1: Neutral Current HiSet Pickup	0.500 pu
BF1: Phase Current LoSet Pickup	6.000 pu
BF1: Neutral Current LoSet Pickup	0.500 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Latched
BF1: Events	Enabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 2] (continued from last page)

BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 2]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 2]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 2]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL OV [GROUP 2] (continued from last page)

NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 2]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 2]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 2]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 2]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

COMPENSATED OVERVOLTAGE [GROUP 2] (continued from last page)

Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 3

LINE PICKUP [GROUP 3]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 3]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 3]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 3] (continued from last page)

PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 3] (continued from last page)

PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 3]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 3] (continued from last page)

GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 3] (continued from last page)

GROUND DISTANCE Z5: Events Disabled

POWER SWING DETECT [GROUP 3]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 3]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 3]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE TOC [GROUP 3] (continued from last page)

PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 3]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 3]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 3]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL TOC [GROUP 3] (continued from last page)

NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 3]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 3]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 3]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 3] (continued from last page)

WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 3]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 3]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 3]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE TOC [GROUP 3] (continued from last page)

NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 3]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 3]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 3]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 3] (continued from last page)

BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 3]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE UV [GROUP 3] (continued from last page)

PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 3]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 3]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 3]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE OV [GROUP 3] (continued from last page)

NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 3]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 3]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 3]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 4

LINE PICKUP [GROUP 4]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LINE PICKUP [GROUP 4] (continued from last page)

Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 4]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 4]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 4] (continued from last page)

PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 4]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 4] (continued from last page)

GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 4] (continued from last page)

GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 4]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

POWER SWING DETECT [GROUP 4] (continued from last page)

Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Middle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 4]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 4]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 4]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE IOC [GROUP 4] (continued from last page)

PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 4]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 4]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 4]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL IOC [GROUP 4] (continued from last page)

NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 4]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 4]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 4] (continued from last page)

WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 4]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 4]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 4]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE IOC [GROUP 4]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 4]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 4]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 4] (continued from last page)

BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 4]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE UV [GROUP 4] (continued from last page)

PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 4]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 4]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 4]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE OV [GROUP 4] (continued from last page)

NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 4]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 4]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 4]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 5

LINE PICKUP [GROUP 5]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 5]

Source	52B3 (SRC 1)
Memory Duration	10 cycles

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DISTANCE [GROUP 5] (continued from last page)

Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 5]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 5] (continued from last page)

PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 5]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 5] (continued from last page)

GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 5] (continued from last page)

GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 5]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

POWER SWING DETECT [GROUP 5] (continued from last page)

Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 5]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 5]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 5]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE IOC [GROUP 5] (continued from last page)

PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 5]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 5]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 5]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 5]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 5] (continued from last page)

NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 5]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 5]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 5] (continued from last page)

GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 5]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 5]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 5]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE IOC [GROUP 5] (continued from last page)

NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 5]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 5]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 5] (continued from last page)

BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 5]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 5]

PHASE OV1: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

PHASE OV [GROUP 5] (continued from last page)

PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 5]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 5]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 5]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

AUXILIARY UV [GROUP 5] (continued from last page)

AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 5]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 5]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I _{lmax}	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 6

LINE PICKUP [GROUP 6]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 6]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 6]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 6] (continued from last page)

PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 6] (continued from last page)

PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 6]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 6] (continued from last page)

GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 6] (continued from last page)

GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 6]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Middle Rgt Bld	100.00 ohms
Middle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 6]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOAD ENCROACHMENT [GROUP 6] (continued from last page)

Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 6]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 6]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 6]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DIRECTIONAL [GROUP 6] (continued from last page)

PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 6]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 6]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 6]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 6] (continued from last page)

NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 6]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 6]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 6] (continued from last page)

GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 6]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 6]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 6]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 6]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 6] (continued from last page)

NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 6]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 6] (continued from last page)

BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 6]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 6]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 6]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502**NEUTRAL OV [GROUP 6] (continued from last page)

NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 6]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 6]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 6]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

AUXILIARY OV [GROUP 6] (continued from last page)

AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 6]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

CONTROL ELEMENTS

TRIP BUS

Trip Bus 1 Function	Enabled
Trip Bus 1 Block	OFF
Trip Bus 1 Pickup Delay	0.00 s
Trip Bus 1 Reset Delay	0.00 s
Trip Bus 1 Input 1	NEUTRAL TOC1 OP
Trip Bus 1 Input 2	NEUTRAL IOC1 OP
Trip Bus 1 Input 3	PHASE TOC1 OP
Trip Bus 1 Input 4	PHASE IOC1 OP
Trip Bus 1 Input 5	PH DIST Z2 OP
Trip Bus 1 Input 6	GND DIST Z2 OP
Trip Bus 1 Input 7	LINE PICKUP OP
Trip Bus 1 Input 8	NEG SEQ IOC1 OP
Trip Bus 1 Input 9	PH DIST Z3 OP
Trip Bus 1 Input 10	PH DIST Z5 OP
Trip Bus 1 Input 11	GND DIST Z3 OP
Trip Bus 1 Input 12	GND DIST Z5 OP
Trip Bus 1 Input 13	PH DIST Z1 OP
Trip Bus 1 Input 14	OFF
Trip Bus 1 Input 15	OFF
Trip Bus 1 Input 16	OFF
Trip Bus 1 Latching	Disabled
Trip Bus 1 Reset	OFF
Trip Bus 1 Target	Disabled
Trip Bus 1 Events	Enabled
Trip Bus 2 Function	Enabled
Trip Bus 2 Block	OFF
Trip Bus 2 Pickup Delay	0.00 s
Trip Bus 2 Reset Delay	0.00 s
Trip Bus 2 Input 1	GND DIST Z1 OP
Trip Bus 2 Input 2	OFF
Trip Bus 2 Input 3	OFF
Trip Bus 2 Input 4	OFF
Trip Bus 2 Input 5	OFF
Trip Bus 2 Input 6	OFF
Trip Bus 2 Input 7	OFF
Trip Bus 2 Input 8	OFF
Trip Bus 2 Input 9	OFF
Trip Bus 2 Input 10	OFF
Trip Bus 2 Input 11	OFF
Trip Bus 2 Input 12	OFF
Trip Bus 2 Input 13	OFF
Trip Bus 2 Input 14	OFF
Trip Bus 2 Input 15	OFF
Trip Bus 2 Input 16	OFF
Trip Bus 2 Latching	Disabled
Trip Bus 2 Reset	OFF
Trip Bus 2 Target	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TRIP BUS (continued from last page)

Trip Bus 2 Events	Enabled
Trip Bus 3 Function	Disabled
Trip Bus 3 Block	OFF
Trip Bus 3 Pickup Delay	0.10 s
Trip Bus 3 Reset Delay	0.00 s
Trip Bus 3 Input 1	OFF
Trip Bus 3 Input 2	OFF
Trip Bus 3 Input 3	OFF
Trip Bus 3 Input 4	OFF
Trip Bus 3 Input 5	OFF
Trip Bus 3 Input 6	OFF
Trip Bus 3 Input 7	OFF
Trip Bus 3 Input 8	OFF
Trip Bus 3 Input 9	OFF
Trip Bus 3 Input 10	OFF
Trip Bus 3 Input 11	OFF
Trip Bus 3 Input 12	OFF
Trip Bus 3 Input 13	OFF
Trip Bus 3 Input 14	OFF
Trip Bus 3 Input 15	OFF
Trip Bus 3 Input 16	OFF
Trip Bus 3 Latching	Disabled
Trip Bus 3 Reset	OFF
Trip Bus 3 Target	Self-reset
Trip Bus 3 Events	Disabled
Trip Bus 4 Function	Disabled
Trip Bus 4 Block	OFF
Trip Bus 4 Pickup Delay	0.00 s
Trip Bus 4 Reset Delay	0.00 s
Trip Bus 4 Input 1	OFF
Trip Bus 4 Input 2	OFF
Trip Bus 4 Input 3	OFF
Trip Bus 4 Input 4	OFF
Trip Bus 4 Input 5	OFF
Trip Bus 4 Input 6	OFF
Trip Bus 4 Input 7	OFF
Trip Bus 4 Input 8	OFF
Trip Bus 4 Input 9	OFF
Trip Bus 4 Input 10	OFF
Trip Bus 4 Input 11	OFF
Trip Bus 4 Input 12	OFF
Trip Bus 4 Input 13	OFF
Trip Bus 4 Input 14	OFF
Trip Bus 4 Input 15	OFF
Trip Bus 4 Input 16	OFF
Trip Bus 4 Latching	Disabled
Trip Bus 4 Reset	OFF
Trip Bus 4 Target	Self-reset
Trip Bus 4 Events	Disabled
Trip Bus 5 Function	Disabled
Trip Bus 5 Block	OFF
Trip Bus 5 Pickup Delay	0.00 s
Trip Bus 5 Reset Delay	0.00 s
Trip Bus 5 Input 1	OFF
Trip Bus 5 Input 2	OFF
Trip Bus 5 Input 3	OFF
Trip Bus 5 Input 4	OFF
Trip Bus 5 Input 5	OFF
Trip Bus 5 Input 6	OFF
Trip Bus 5 Input 7	OFF
Trip Bus 5 Input 8	OFF
Trip Bus 5 Input 9	OFF
Trip Bus 5 Input 10	OFF
Trip Bus 5 Input 11	OFF
Trip Bus 5 Input 12	OFF
Trip Bus 5 Input 13	OFF
Trip Bus 5 Input 14	OFF
Trip Bus 5 Input 15	OFF

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**TRIP BUS (continued from last page)

Trip Bus 5 Input 16	OFF
Trip Bus 5 Latching	Disabled
Trip Bus 5 Reset	OFF
Trip Bus 5 Target	Self-reset
Trip Bus 5 Events	Disabled
Trip Bus 6 Function	Disabled
Trip Bus 6 Block	OFF
Trip Bus 6 Pickup Delay	0.00 s
Trip Bus 6 Reset Delay	0.00 s
Trip Bus 6 Input 1	OFF
Trip Bus 6 Input 2	OFF
Trip Bus 6 Input 3	OFF
Trip Bus 6 Input 4	OFF
Trip Bus 6 Input 5	OFF
Trip Bus 6 Input 6	OFF
Trip Bus 6 Input 7	OFF
Trip Bus 6 Input 8	OFF
Trip Bus 6 Input 9	OFF
Trip Bus 6 Input 10	OFF
Trip Bus 6 Input 11	OFF
Trip Bus 6 Input 12	OFF
Trip Bus 6 Input 13	OFF
Trip Bus 6 Input 14	OFF
Trip Bus 6 Input 15	OFF
Trip Bus 6 Input 16	OFF
Trip Bus 6 Latching	Disabled
Trip Bus 6 Reset	OFF
Trip Bus 6 Target	Self-reset
Trip Bus 6 Events	Disabled

SETTING GROUPS

Function	Enabled
Block	OFF
Group 2 Activate On	GRP AJUSTE 2 On(M8c)
Group 3 Activate On	OFF
Group 4 Activate On	OFF
Group 5 Activate On	OFF
Group 6 Activate On	OFF
Group 1 Name	TAP OFF AB
Group 2 Name	TAP OFF CE
Group 3 Name	
Group 4 Name	
Group 5 Name	
Group 6 Name	
Events	Enabled
Current Setting Group	1

SELECTOR SWITCHES

SELECTOR SWITCH 1: Function	Disabled
SELECTOR SWITCH 1: Full Range	7
SELECTOR SWITCH 1: Timeout	5.0 s
SELECTOR SWITCH 1: Step-Up	OFF
SELECTOR SWITCH 1: Step-Up Mode	Time-out
SELECTOR SWITCH 1: Acknowledge	OFF
SELECTOR SWITCH 1: 3Bit A0	OFF
SELECTOR SWITCH 1: 3Bit A1	OFF
SELECTOR SWITCH 1: 3Bit A2	OFF
SELECTOR SWITCH 1: 3Bit Mode	Time-out
SELECTOR SWITCH 1: 3Bit Ack	OFF
SELECTOR SWITCH 1: Power-Up Mode	Restore
SELECTOR SWITCH 1: Targets	Self-reset
SELECTOR SWITCH 1: Events	Disabled
SELECTOR SWITCH 2: Function	Disabled
SELECTOR SWITCH 2: Full Range	7
SELECTOR SWITCH 2: Timeout	5.0 s
SELECTOR SWITCH 2: Step-Up	OFF
SELECTOR SWITCH 2: Step-Up Mode	Time-out
SELECTOR SWITCH 2: Acknowledge	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SELECTOR SWITCHES (continued from last page)

SELECTOR SWITCH 2: 3Bit A0	OFF
SELECTOR SWITCH 2: 3Bit A1	OFF
SELECTOR SWITCH 2: 3Bit A2	OFF
SELECTOR SWITCH 2: 3Bit Mode	Time-out
SELECTOR SWITCH 2: 3Bit Ack	OFF
SELECTOR SWITCH 2: Power-Up Mode	Restore
SELECTOR SWITCH 2: Targets	Self-reset
SELECTOR SWITCH 2: Events	Disabled

TRIP OUTPUT

Trip Mode	3 Pole Only
Trip 3-Pole Input1	TRIPBUS 1 OP
Trip 3-Pole Input2	TRIPBUS 2 OP
Trip 3-Pole Input3	OFF
Trip 3-Pole Input4	OFF
Trip 3-Pole Input5	OFF
Trip 3-Pole Input6	OFF
Trip 1-Pole Input1	OFF
Trip 1-Pole Input2	OFF
Trip 1-Pole Input3	OFF
Trip 1-Pole Input4	OFF
Trip 1-Pole Input5	OFF
Trip 1-Pole Input6	OFF
Trip Reclose Input1	OFF
Trip Reclose Input2	OFF
Trip Reclose Input3	OFF
Trip Reclose Input4	OFF
Trip Reclose Input5	OFF
Trip Reclose Input6	OFF
Trip Seal in Delay	0.050 s
Trip Reset	Pole Curr OR Custom
Start Timer Z2Ph In1	OFF
Start Timer Z2Ph In2	OFF
Start Timer Z2Gr In1	OFF
Start Timer Z2Gr In2	OFF
BKR Phase A Open	OFF
BKR Phase B Open	OFF
BKR Phase C Open	OFF
Trip Force 3-Pole	OFF
Trip Pilot Priority	0.000 s
Reverse Fault	OFF
Trip Delay On Evolving Faults	0.000 s
Trip Events	Enabled

SYNCHROCHECK

SYNCHROCHECK1: Function	Disabled
SYNCHROCHECK1: Block	OFF
SYNCHROCHECK1: V1 Source	52B3 (SRC 1)
SYNCHROCHECK1: V2 Source	SYNC (SRC 2)
SYNCHROCHECK1: Max Volt Diff	10000 V
SYNCHROCHECK1: Max Angle Diff	30 deg
SYNCHROCHECK1: Max Freq Diff	1.00 Hz
SYNCHROCHECK1: Freq Hysteresis	0.06 Hz
SYNCHROCHECK1: Dead Source Select	LV1 and DV2
SYNCHROCHECK1: Dead V1 Max Volt	0.30 pu
SYNCHROCHECK1: Dead V2 Max Volt	0.30 pu
SYNCHROCHECK1: Live V1 Min Volt	0.70 pu
SYNCHROCHECK1: Live V2 Min Volt	0.70 pu
SYNCHROCHECK1: Target	Self-reset
SYNCHROCHECK1: Events	Disabled
SYNCHROCHECK2: Function	Disabled
SYNCHROCHECK2: Block	OFF
SYNCHROCHECK2: V1 Source	52B3 (SRC 1)
SYNCHROCHECK2: V2 Source	SYNC (SRC 2)
SYNCHROCHECK2: Max Volt Diff	10000 V
SYNCHROCHECK2: Max Angle Diff	30 deg
SYNCHROCHECK2: Max Freq Diff	1.00 Hz
SYNCHROCHECK2: Freq Hysteresis	0.06 Hz

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SYNCHROCHECK (continued from last page)

SYNCHROCHECK2: Dead Source Select	LV1 and DV2
SYNCHROCHECK2: Dead V1 Max Volt	0.30 pu
SYNCHROCHECK2: Dead V2 Max Volt	0.30 pu
SYNCHROCHECK2: Live V1 Min Volt	0.70 pu
SYNCHROCHECK2: Live V2 Min Volt	0.70 pu
SYNCHROCHECK2: Target	Self-reset
SYNCHROCHECK2: Events	Disabled

DIGITAL ELEMENTS

Digital Element 1 Function	Enabled
Digital Element 1 Name	SCA OP ANY AP
Digital Element 1 Input	OFF
Digital Element 1 Pickup Delay	0.000 s
Digital Element 1 Reset Delay	3.000 s
Digital Element 1 Pickup Led	Disabled
Digital Element 1 Block	OFF
Digital Element 1 Target	Disabled
Digital Element 1 Events	Disabled
Digital Element 2 Function	Enabled
Digital Element 2 Name	SCA 85C REM AP
Digital Element 2 Input	OFF
Digital Element 2 Pickup Delay	0.000 s
Digital Element 2 Reset Delay	3.000 s
Digital Element 2 Pickup Led	Disabled
Digital Element 2 Block	OFF
Digital Element 2 Target	Disabled
Digital Element 2 Events	Disabled
Digital Element 3 Function	Disabled
Digital Element 3 Name	Dig Element 3
Digital Element 3 Input	OFF
Digital Element 3 Pickup Delay	0.000 s
Digital Element 3 Reset Delay	0.000 s
Digital Element 3 Pickup Led	Enabled
Digital Element 3 Block	OFF
Digital Element 3 Target	Self-reset
Digital Element 3 Events	Disabled
Digital Element 4 Function	Disabled
Digital Element 4 Name	Dig Element 4
Digital Element 4 Input	OFF
Digital Element 4 Pickup Delay	0.000 s
Digital Element 4 Reset Delay	0.000 s
Digital Element 4 Pickup Led	Enabled
Digital Element 4 Block	OFF
Digital Element 4 Target	Self-reset
Digital Element 4 Events	Disabled
Digital Element 5 Function	Disabled
Digital Element 5 Name	Dig Element 5
Digital Element 5 Input	OFF
Digital Element 5 Pickup Delay	0.000 s
Digital Element 5 Reset Delay	0.000 s
Digital Element 5 Pickup Led	Enabled
Digital Element 5 Block	OFF
Digital Element 5 Target	Self-reset
Digital Element 5 Events	Disabled
Digital Element 6 Function	Disabled
Digital Element 6 Name	Dig Element 6
Digital Element 6 Input	OFF
Digital Element 6 Pickup Delay	0.000 s
Digital Element 6 Reset Delay	0.000 s
Digital Element 6 Pickup Led	Enabled
Digital Element 6 Block	OFF
Digital Element 6 Target	Self-reset
Digital Element 6 Events	Disabled
Digital Element 7 Function	Disabled
Digital Element 7 Name	Dig Element 7
Digital Element 7 Input	OFF
Digital Element 7 Pickup Delay	0.000 s
Digital Element 7 Reset Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 7 Pickup Led	Enabled
Digital Element 7 Block	OFF
Digital Element 7 Target	Self-reset
Digital Element 7 Events	Disabled
Digital Element 8 Function	Disabled
Digital Element 8 Name	Dig Element 8
Digital Element 8 Input	OFF
Digital Element 8 Pickup Delay	0.000 s
Digital Element 8 Reset Delay	0.000 s
Digital Element 8 Pickup Led	Enabled
Digital Element 8 Block	OFF
Digital Element 8 Target	Self-reset
Digital Element 8 Events	Disabled
Digital Element 9 Function	Disabled
Digital Element 9 Name	Dig Element 9
Digital Element 9 Input	OFF
Digital Element 9 Pickup Delay	0.000 s
Digital Element 9 Reset Delay	0.000 s
Digital Element 9 Pickup Led	Enabled
Digital Element 9 Block	OFF
Digital Element 9 Target	Self-reset
Digital Element 9 Events	Disabled
Digital Element 10 Function	Disabled
Digital Element 10 Name	Dig Element 10
Digital Element 10 Input	OFF
Digital Element 10 Pickup Delay	0.000 s
Digital Element 10 Reset Delay	0.000 s
Digital Element 10 Pickup Led	Enabled
Digital Element 10 Block	OFF
Digital Element 10 Target	Self-reset
Digital Element 10 Events	Disabled
Digital Element 11 Function	Disabled
Digital Element 11 Name	Dig Element 11
Digital Element 11 Input	OFF
Digital Element 11 Pickup Delay	0.000 s
Digital Element 11 Reset Delay	0.000 s
Digital Element 11 Pickup Led	Enabled
Digital Element 11 Block	OFF
Digital Element 11 Target	Self-reset
Digital Element 11 Events	Disabled
Digital Element 12 Function	Disabled
Digital Element 12 Name	Dig Element 12
Digital Element 12 Input	OFF
Digital Element 12 Pickup Delay	0.000 s
Digital Element 12 Reset Delay	0.000 s
Digital Element 12 Pickup Led	Enabled
Digital Element 12 Block	OFF
Digital Element 12 Target	Self-reset
Digital Element 12 Events	Disabled
Digital Element 13 Function	Disabled
Digital Element 13 Name	Dig Element 13
Digital Element 13 Input	OFF
Digital Element 13 Pickup Delay	0.000 s
Digital Element 13 Reset Delay	0.000 s
Digital Element 13 Pickup Led	Enabled
Digital Element 13 Block	OFF
Digital Element 13 Target	Self-reset
Digital Element 13 Events	Disabled
Digital Element 14 Function	Disabled
Digital Element 14 Name	Dig Element 14
Digital Element 14 Input	OFF
Digital Element 14 Pickup Delay	0.000 s
Digital Element 14 Reset Delay	0.000 s
Digital Element 14 Pickup Led	Enabled
Digital Element 14 Block	OFF
Digital Element 14 Target	Self-reset
Digital Element 14 Events	Disabled
Digital Element 15 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 15 Name	Dig Element 15
Digital Element 15 Input	OFF
Digital Element 15 Pickup Delay	0.000 s
Digital Element 15 Reset Delay	0.000 s
Digital Element 15 Pickup Led	Enabled
Digital Element 15 Block	OFF
Digital Element 15 Target	Self-reset
Digital Element 15 Events	Disabled
Digital Element 16 Function	Disabled
Digital Element 16 Name	Dig Element 16
Digital Element 16 Input	OFF
Digital Element 16 Pickup Delay	0.000 s
Digital Element 16 Reset Delay	0.000 s
Digital Element 16 Pickup Led	Enabled
Digital Element 16 Block	OFF
Digital Element 16 Target	Self-reset
Digital Element 16 Events	Disabled
Digital Element 17 Function	Disabled
Digital Element 17 Name	Dig Element 17
Digital Element 17 Input	OFF
Digital Element 17 Pickup Delay	0.000 s
Digital Element 17 Reset Delay	0.000 s
Digital Element 17 Pickup Led	Enabled
Digital Element 17 Block	OFF
Digital Element 17 Target	Self-reset
Digital Element 17 Events	Disabled
Digital Element 18 Function	Disabled
Digital Element 18 Name	Dig Element 18
Digital Element 18 Input	OFF
Digital Element 18 Pickup Delay	0.000 s
Digital Element 18 Reset Delay	0.000 s
Digital Element 18 Pickup Led	Enabled
Digital Element 18 Block	OFF
Digital Element 18 Target	Self-reset
Digital Element 18 Events	Disabled
Digital Element 19 Function	Disabled
Digital Element 19 Name	Dig Element 19
Digital Element 19 Input	OFF
Digital Element 19 Pickup Delay	0.000 s
Digital Element 19 Reset Delay	0.000 s
Digital Element 19 Pickup Led	Enabled
Digital Element 19 Block	OFF
Digital Element 19 Target	Self-reset
Digital Element 19 Events	Disabled
Digital Element 20 Function	Disabled
Digital Element 20 Name	Dig Element 20
Digital Element 20 Input	OFF
Digital Element 20 Pickup Delay	0.000 s
Digital Element 20 Reset Delay	0.000 s
Digital Element 20 Pickup Led	Enabled
Digital Element 20 Block	OFF
Digital Element 20 Target	Self-reset
Digital Element 20 Events	Disabled
Digital Element 21 Function	Disabled
Digital Element 21 Name	Dig Element 21
Digital Element 21 Input	OFF
Digital Element 21 Pickup Delay	0.000 s
Digital Element 21 Reset Delay	0.000 s
Digital Element 21 Pickup Led	Enabled
Digital Element 21 Block	OFF
Digital Element 21 Target	Self-reset
Digital Element 21 Events	Disabled
Digital Element 22 Function	Disabled
Digital Element 22 Name	Dig Element 22
Digital Element 22 Input	OFF
Digital Element 22 Pickup Delay	0.000 s
Digital Element 22 Reset Delay	0.000 s
Digital Element 22 Pickup Led	Enabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 22 Block	OFF
Digital Element 22 Target	Self-reset
Digital Element 22 Events	Disabled
Digital Element 23 Function	Disabled
Digital Element 23 Name	Dig Element 23
Digital Element 23 Input	OFF
Digital Element 23 Pickup Delay	0.000 s
Digital Element 23 Reset Delay	0.000 s
Digital Element 23 Pickup Led	Enabled
Digital Element 23 Block	OFF
Digital Element 23 Target	Self-reset
Digital Element 23 Events	Disabled
Digital Element 24 Function	Disabled
Digital Element 24 Name	Dig Element 24
Digital Element 24 Input	OFF
Digital Element 24 Pickup Delay	0.000 s
Digital Element 24 Reset Delay	0.000 s
Digital Element 24 Pickup Led	Enabled
Digital Element 24 Block	OFF
Digital Element 24 Target	Self-reset
Digital Element 24 Events	Disabled
Digital Element 25 Function	Disabled
Digital Element 25 Name	Dig Element 25
Digital Element 25 Input	OFF
Digital Element 25 Pickup Delay	0.000 s
Digital Element 25 Reset Delay	0.000 s
Digital Element 25 Pickup Led	Enabled
Digital Element 25 Block	OFF
Digital Element 25 Target	Self-reset
Digital Element 25 Events	Disabled
Digital Element 26 Function	Disabled
Digital Element 26 Name	Dig Element 26
Digital Element 26 Input	OFF
Digital Element 26 Pickup Delay	0.000 s
Digital Element 26 Reset Delay	0.000 s
Digital Element 26 Pickup Led	Enabled
Digital Element 26 Block	OFF
Digital Element 26 Target	Self-reset
Digital Element 26 Events	Disabled
Digital Element 27 Function	Disabled
Digital Element 27 Name	Dig Element 27
Digital Element 27 Input	OFF
Digital Element 27 Pickup Delay	0.000 s
Digital Element 27 Reset Delay	0.000 s
Digital Element 27 Pickup Led	Enabled
Digital Element 27 Block	OFF
Digital Element 27 Target	Self-reset
Digital Element 27 Events	Disabled
Digital Element 28 Function	Disabled
Digital Element 28 Name	Dig Element 28
Digital Element 28 Input	OFF
Digital Element 28 Pickup Delay	0.000 s
Digital Element 28 Reset Delay	0.000 s
Digital Element 28 Pickup Led	Enabled
Digital Element 28 Block	OFF
Digital Element 28 Target	Self-reset
Digital Element 28 Events	Disabled
Digital Element 29 Function	Disabled
Digital Element 29 Name	Dig Element 29
Digital Element 29 Input	OFF
Digital Element 29 Pickup Delay	0.000 s
Digital Element 29 Reset Delay	0.000 s
Digital Element 29 Pickup Led	Enabled
Digital Element 29 Block	OFF
Digital Element 29 Target	Self-reset
Digital Element 29 Events	Disabled
Digital Element 30 Function	Disabled
Digital Element 30 Name	Dig Element 30

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 30 Input	OFF
Digital Element 30 Pickup Delay	0.000 s
Digital Element 30 Reset Delay	0.000 s
Digital Element 30 Pickup Led	Enabled
Digital Element 30 Block	OFF
Digital Element 30 Target	Self-reset
Digital Element 30 Events	Disabled
Digital Element 31 Function	Disabled
Digital Element 31 Name	Dig Element 31
Digital Element 31 Input	OFF
Digital Element 31 Pickup Delay	0.000 s
Digital Element 31 Reset Delay	0.000 s
Digital Element 31 Pickup Led	Enabled
Digital Element 31 Block	OFF
Digital Element 31 Target	Self-reset
Digital Element 31 Events	Disabled
Digital Element 32 Function	Disabled
Digital Element 32 Name	Dig Element 32
Digital Element 32 Input	OFF
Digital Element 32 Pickup Delay	0.000 s
Digital Element 32 Reset Delay	0.000 s
Digital Element 32 Pickup Led	Enabled
Digital Element 32 Block	OFF
Digital Element 32 Target	Self-reset
Digital Element 32 Events	Disabled
Digital Element 33 Function	Disabled
Digital Element 33 Name	Dig Element 33
Digital Element 33 Input	OFF
Digital Element 33 Pickup Delay	0.000 s
Digital Element 33 Reset Delay	0.000 s
Digital Element 33 Pickup Led	Enabled
Digital Element 33 Block	OFF
Digital Element 33 Target	Self-reset
Digital Element 33 Events	Disabled
Digital Element 34 Function	Disabled
Digital Element 34 Name	Dig Element 34
Digital Element 34 Input	OFF
Digital Element 34 Pickup Delay	0.000 s
Digital Element 34 Reset Delay	0.000 s
Digital Element 34 Pickup Led	Enabled
Digital Element 34 Block	OFF
Digital Element 34 Target	Self-reset
Digital Element 34 Events	Disabled
Digital Element 35 Function	Disabled
Digital Element 35 Name	Dig Element 35
Digital Element 35 Input	OFF
Digital Element 35 Pickup Delay	0.000 s
Digital Element 35 Reset Delay	0.000 s
Digital Element 35 Pickup Led	Enabled
Digital Element 35 Block	OFF
Digital Element 35 Target	Self-reset
Digital Element 35 Events	Disabled
Digital Element 36 Function	Disabled
Digital Element 36 Name	Dig Element 36
Digital Element 36 Input	OFF
Digital Element 36 Pickup Delay	0.000 s
Digital Element 36 Reset Delay	0.000 s
Digital Element 36 Pickup Led	Enabled
Digital Element 36 Block	OFF
Digital Element 36 Target	Self-reset
Digital Element 36 Events	Disabled
Digital Element 37 Function	Disabled
Digital Element 37 Name	Dig Element 37
Digital Element 37 Input	OFF
Digital Element 37 Pickup Delay	0.000 s
Digital Element 37 Reset Delay	0.000 s
Digital Element 37 Pickup Led	Enabled
Digital Element 37 Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 37 Target	Self-reset
Digital Element 37 Events	Disabled
Digital Element 38 Function	Disabled
Digital Element 38 Name	Dig Element 38
Digital Element 38 Input	OFF
Digital Element 38 Pickup Delay	0.000 s
Digital Element 38 Reset Delay	0.000 s
Digital Element 38 Pickup Led	Enabled
Digital Element 38 Block	OFF
Digital Element 38 Target	Self-reset
Digital Element 38 Events	Disabled
Digital Element 39 Function	Disabled
Digital Element 39 Name	Dig Element 39
Digital Element 39 Input	OFF
Digital Element 39 Pickup Delay	0.000 s
Digital Element 39 Reset Delay	0.000 s
Digital Element 39 Pickup Led	Enabled
Digital Element 39 Block	OFF
Digital Element 39 Target	Self-reset
Digital Element 39 Events	Disabled
Digital Element 40 Function	Disabled
Digital Element 40 Name	Dig Element 40
Digital Element 40 Input	OFF
Digital Element 40 Pickup Delay	0.000 s
Digital Element 40 Reset Delay	0.000 s
Digital Element 40 Pickup Led	Enabled
Digital Element 40 Block	OFF
Digital Element 40 Target	Self-reset
Digital Element 40 Events	Disabled
Digital Element 41 Function	Disabled
Digital Element 41 Name	Dig Element 41
Digital Element 41 Input	OFF
Digital Element 41 Pickup Delay	0.000 s
Digital Element 41 Reset Delay	0.000 s
Digital Element 41 Pickup Led	Enabled
Digital Element 41 Block	OFF
Digital Element 41 Target	Self-reset
Digital Element 41 Events	Disabled
Digital Element 42 Function	Disabled
Digital Element 42 Name	Dig Element 42
Digital Element 42 Input	OFF
Digital Element 42 Pickup Delay	0.000 s
Digital Element 42 Reset Delay	0.000 s
Digital Element 42 Pickup Led	Enabled
Digital Element 42 Block	OFF
Digital Element 42 Target	Self-reset
Digital Element 42 Events	Disabled
Digital Element 43 Function	Disabled
Digital Element 43 Name	Dig Element 43
Digital Element 43 Input	OFF
Digital Element 43 Pickup Delay	0.000 s
Digital Element 43 Reset Delay	0.000 s
Digital Element 43 Pickup Led	Enabled
Digital Element 43 Block	OFF
Digital Element 43 Target	Self-reset
Digital Element 43 Events	Disabled
Digital Element 44 Function	Disabled
Digital Element 44 Name	Dig Element 44
Digital Element 44 Input	OFF
Digital Element 44 Pickup Delay	0.000 s
Digital Element 44 Reset Delay	0.000 s
Digital Element 44 Pickup Led	Enabled
Digital Element 44 Block	OFF
Digital Element 44 Target	Self-reset
Digital Element 44 Events	Disabled
Digital Element 45 Function	Disabled
Digital Element 45 Name	Dig Element 45
Digital Element 45 Input	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 45 Pickup Delay	0.000 s
Digital Element 45 Reset Delay	0.000 s
Digital Element 45 Pickup Led	Enabled
Digital Element 45 Block	OFF
Digital Element 45 Target	Self-reset
Digital Element 45 Events	Disabled
Digital Element 46 Function	Disabled
Digital Element 46 Name	Dig Element 46
Digital Element 46 Input	OFF
Digital Element 46 Pickup Delay	0.000 s
Digital Element 46 Reset Delay	0.000 s
Digital Element 46 Pickup Led	Enabled
Digital Element 46 Block	OFF
Digital Element 46 Target	Self-reset
Digital Element 46 Events	Disabled
Digital Element 47 Function	Disabled
Digital Element 47 Name	Dig Element 47
Digital Element 47 Input	OFF
Digital Element 47 Pickup Delay	0.000 s
Digital Element 47 Reset Delay	0.000 s
Digital Element 47 Pickup Led	Enabled
Digital Element 47 Block	OFF
Digital Element 47 Target	Self-reset
Digital Element 47 Events	Disabled
Digital Element 48 Function	Disabled
Digital Element 48 Name	Dig Element 48
Digital Element 48 Input	OFF
Digital Element 48 Pickup Delay	0.000 s
Digital Element 48 Reset Delay	0.000 s
Digital Element 48 Pickup Led	Enabled
Digital Element 48 Block	OFF
Digital Element 48 Target	Self-reset
Digital Element 48 Events	Disabled

DIGITAL COUNTERS

Digital Counter 1 Function	Enabled
Digital Counter 1 Name	OP. INTER.
Digital Counter 1 Units	
Digital Counter 1 Preset	0
Digital Counter 1 Compare	0
Digital Counter 1 Up	52B3 AB On(H7a)
Digital Counter 1 Down	OFF
Digital Counter 1 Block	OFF
Digital Counter 1 Set To Preset	OFF
Digital Counter 1 Reset	RST COUNTERS On (VI64)
Digital Counter 1 Freeze/Reset	OFF
Digital Counter 1 Freeze/Count	52B3 CE On(H8c)
Digital Counter 2 Function	Enabled
Digital Counter 2 Name	OP. PROT.
Digital Counter 2 Units	
Digital Counter 2 Preset	0
Digital Counter 2 Compare	0
Digital Counter 2 Up	TRIP PROT. On (VO9)
Digital Counter 2 Down	OFF
Digital Counter 2 Block	OFF
Digital Counter 2 Set To Preset	OFF
Digital Counter 2 Reset	RST COUNTERS On (VI64)
Digital Counter 2 Freeze/Reset	OFF
Digital Counter 2 Freeze/Count	TRIP PROT. On (VO9)
Digital Counter 3 Function	Disabled
Digital Counter 3 Name	Counter 3
Digital Counter 3 Units	
Digital Counter 3 Preset	0
Digital Counter 3 Compare	0
Digital Counter 3 Up	OFF
Digital Counter 3 Down	OFF
Digital Counter 3 Block	OFF
Digital Counter 3 Set To Preset	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL COUNTERS (continued from last page)

Digital Counter 3 Reset	OFF
Digital Counter 3 Freeze/Reset	OFF
Digital Counter 3 Freeze/Count	OFF
Digital Counter 4 Function	Disabled
Digital Counter 4 Name	Counter 4
Digital Counter 4 Units	
Digital Counter 4 Preset	0
Digital Counter 4 Compare	0
Digital Counter 4 Up	OFF
Digital Counter 4 Down	OFF
Digital Counter 4 Block	OFF
Digital Counter 4 Set To Preset	OFF
Digital Counter 4 Reset	OFF
Digital Counter 4 Freeze/Reset	OFF
Digital Counter 4 Freeze/Count	OFF
Digital Counter 5 Function	Disabled
Digital Counter 5 Name	Counter 5
Digital Counter 5 Units	
Digital Counter 5 Preset	0
Digital Counter 5 Compare	0
Digital Counter 5 Up	OFF
Digital Counter 5 Down	OFF
Digital Counter 5 Block	OFF
Digital Counter 5 Set To Preset	OFF
Digital Counter 5 Reset	OFF
Digital Counter 5 Freeze/Reset	OFF
Digital Counter 5 Freeze/Count	OFF
Digital Counter 6 Function	Disabled
Digital Counter 6 Name	Counter 6
Digital Counter 6 Units	
Digital Counter 6 Preset	0
Digital Counter 6 Compare	0
Digital Counter 6 Up	OFF
Digital Counter 6 Down	OFF
Digital Counter 6 Block	OFF
Digital Counter 6 Set To Preset	OFF
Digital Counter 6 Reset	OFF
Digital Counter 6 Freeze/Reset	OFF
Digital Counter 6 Freeze/Count	OFF
Digital Counter 7 Function	Disabled
Digital Counter 7 Name	Counter 7
Digital Counter 7 Units	
Digital Counter 7 Preset	0
Digital Counter 7 Compare	0
Digital Counter 7 Up	OFF
Digital Counter 7 Down	OFF
Digital Counter 7 Block	OFF
Digital Counter 7 Set To Preset	OFF
Digital Counter 7 Reset	OFF
Digital Counter 7 Freeze/Reset	OFF
Digital Counter 7 Freeze/Count	OFF
Digital Counter 8 Function	Disabled
Digital Counter 8 Name	Counter 8
Digital Counter 8 Units	
Digital Counter 8 Preset	0
Digital Counter 8 Compare	0
Digital Counter 8 Up	OFF
Digital Counter 8 Down	OFF
Digital Counter 8 Block	OFF
Digital Counter 8 Set To Preset	OFF
Digital Counter 8 Reset	OFF
Digital Counter 8 Freeze/Reset	OFF
Digital Counter 8 Freeze/Count	OFF

MONITORING ELEMENTS

BREAKER ARCING CURRENT

BREAKER 1 ARC: Function	Disabled
BREAKER 1 ARC: Source	52B3 (SRC 1)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER ARCING CURRENT (continued from last page)

BREAKER 1 ARC: Init A	OFF
BREAKER 1 ARC: Init B	OFF
BREAKER 1 ARC: Init C	OFF
BREAKER 1 ARC: Delay	0.000 s
BREAKER 1 ARC: Limit	1000 kA2-cyc
BREAKER 1 ARC: Block	OFF
BREAKER 1 ARC: Target	Self-reset
BREAKER 1 ARC: Events	Disabled
BREAKER 2 ARC: Function	Disabled
BREAKER 2 ARC: Source	52B3 (SRC 1)
BREAKER 2 ARC: Init A	OFF
BREAKER 2 ARC: Init B	OFF
BREAKER 2 ARC: Init C	OFF
BREAKER 2 ARC: Delay	0.000 s
BREAKER 2 ARC: Limit	1000 kA2-cyc
BREAKER 2 ARC: Block	OFF
BREAKER 2 ARC: Target	Self-reset
BREAKER 2 ARC: Events	Disabled

BREAKER FLASHOVER

BREAKER FLASHOVER 1: Function	Disabled
BREAKER FLASHOVER 1: Side 1	52B3 (SRC 1)
BREAKER FLASHOVER 1: Side 2	None
BREAKER FLASHOVER 1: Status Closed A	OFF
BREAKER FLASHOVER 1: Status Closed B	OFF
BREAKER FLASHOVER 1: Status Closed C	OFF
BREAKER FLASHOVER 1: V Pickup	0.850 pu
BREAKER FLASHOVER 1: Diff V Pickup	1000 V
BREAKER FLASHOVER 1: Amp Pickup	0.600 pu
BREAKER FLASHOVER 1: Pickup Delay	0.100 s
BREAKER FLASHOVER 1: Supv A	OFF
BREAKER FLASHOVER 1: Supv B	OFF
BREAKER FLASHOVER 1: Supv C	OFF
BREAKER FLASHOVER 1: Block	OFF
BREAKER FLASHOVER 1: Target	Self-reset
BREAKER FLASHOVER 1: Events	Disabled
BREAKER FLASHOVER 2: Function	Disabled
BREAKER FLASHOVER 2: Side 1	52B3 (SRC 1)
BREAKER FLASHOVER 2: Side 2	None
BREAKER FLASHOVER 2: Status Closed A	OFF
BREAKER FLASHOVER 2: Status Closed B	OFF
BREAKER FLASHOVER 2: Status Closed C	OFF
BREAKER FLASHOVER 2: V Pickup	0.850 pu
BREAKER FLASHOVER 2: Diff V Pickup	1000 V
BREAKER FLASHOVER 2: Amp Pickup	0.600 pu
BREAKER FLASHOVER 2: Pickup Delay	0.100 s
BREAKER FLASHOVER 2: Supv A	OFF
BREAKER FLASHOVER 2: Supv B	OFF
BREAKER FLASHOVER 2: Supv C	OFF
BREAKER FLASHOVER 2: Block	OFF
BREAKER FLASHOVER 2: Target	Self-reset
BREAKER FLASHOVER 2: Events	Disabled

VT FUSE FAILURE

VT FUSE FAILURE 1: Function	Enabled
VT FUSE FAILURE 2: Function	Disabled

OPEN POLE

Function	Enabled
Block	OFF
Voltage SUPV	Disabled
Current Pickup	0.050 pu
Open Pole Line XC1	9999.9 ohms
Open Pole Line XC0	9999.9 ohms
Open Pole REM Current PKP	0.050 pu
Open Pole Mode	Accelerated
Open Pole Detection	I AND V only
Target	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

OPEN POLE (continued from last page)

Events Enabled

PILOT SCHEMES

1P DUTT SCHEME

Function	Disabled
Block	OFF
Seal-In Delay	0.000 s
No of Comm Bits	1
RX1	OFF
RX2	OFF
RX3	OFF
RX4	OFF
Target	Self-reset
Event	Disabled

1P PUTT SCHEME

Function	Disabled
Block	OFF
Rx Pickup Delay	0.000 s
Seal-In Delay	0.000 s
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
target	Self-reset
Event	Disabled

1P POTT SCHEME

Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Condition	OFF
Rx Pickup Delay	0.000 s
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Line End Open Pickup Delay	0.050 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
Target	Self-reset
Event	Disabled

1P HYBRID POTT SCHEME

Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Condition	OFF
Weak Infeed	Enabled
W/I Condition	OFF
Rx Pickup Delay	0.000 s
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

1P HYBRID POTT SCHEME (continued from last page)

Rx4	OFF
Target	Self-reset
Event	Disabled

1P BLOCKING SCHEME

Function	Disabled
Block	OFF
Rx Coord Pickup Delay	0.010 s
Transient Block Pickup Delay	0.030 s
Transient Block Reset Delay	0.090 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
Target	Self-reset
Event	Disabled

DCUB SCHEME

Scheme Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Cond	OFF
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Line End Open Pickup Delay	0.050 s
Log Pickup Delay	0.008 s
Guard Healthy Reset Delay	0.015 s
Log Trip Window	0.150 s
Seal In Delay	0.010 s
Comm Bits	1
Rx1	OFF
Log1	OFF
Rx2	OFF
Log2	OFF
Rx3	OFF
Log3	OFF
Rx4	OFF
Log4	OFF
Target	Self-reset
Event	Disabled

AUTORECLOSE 1P

Function	Enabled
Mode	3 Pole - A
Max Number Of Shots	1
AR Initiate Mode	Protection AND CB
Block BKR1	OFF
Close Time BKR1	0.10 s
BKR Man Close	CE MAN 52B3 On (VO7)
Blk Time Upon Man Cls	10.00 s
1-P Init	OFF
3-P Init	PART 79 3P On (VO5)
3-P TD Init	OFF
Multi P Fault	OFF
BKR 1 Pole Open	OFF
BKR 3 Pole Open	BREAKER 1 OPEN
3-P Dead Time 1	1.00 s
3-P Dead Time 2	1.20 s
3-P Dead Time 3	2.00 s
3-P Dead Time 4	4.00 s

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**AUTORECLOSE 1P (continued from last page)

Extend Dead T1	OFF
Dead T1 Extension	0.00 s
Reset	RESET OP
Reset Time	10.00 s
BKR Closed	BREAKER 1 CLOSED
Block	DES/HAB 79 On (VO25)
Pause	OFF
Inc Seq Time	5.00 s
Block BKR2	OFF
Close Time BKR2	0.10 s
Transfer 1 to 2	No
Transfer 2 to 1	No
BKR1 Fail Option	Lockout
BKR2 Fail Option	Lockout
1-P Dead Time	1.00 s
BKR Sequence	1
Transfer Time	4.00 s
BUS FLT Init	OFF
Event	Enabled

INPUTS/OUTPUTSCONTACT INPUTS

[H7A] Contact Input 1 ID	52B3 AB
[H7A] Contact Input 1 Debounce Time	2.0 ms
[H7A] Contact Input 1 Events	Enabled
[H7C] Contact Input 2 ID	Cont Ip 2
[H7C] Contact Input 2 Debounce Time	2.0 ms
[H7C] Contact Input 2 Events	Enabled
[H8A] Contact Input 3 ID	Cont Ip 3
[H8A] Contact Input 3 Debounce Time	2.0 ms
[H8A] Contact Input 3 Events	Enabled
[H8C] Contact Input 4 ID	52B3 CE
[H8C] Contact Input 4 Debounce Time	2.0 ms
[H8C] Contact Input 4 Events	Enabled
[M7A] Contact Input 5 ID	RX 85A
[M7A] Contact Input 5 Debounce Time	2.0 ms
[M7A] Contact Input 5 Events	Enabled
[M7C] Contact Input 6 ID	RX 85C
[M7C] Contact Input 6 Debounce Time	2.0 ms
[M7C] Contact Input 6 Events	Enabled
[M8A] Contact Input 7 ID	GRP AJUSTE 1
[M8A] Contact Input 7 Debounce Time	2.0 ms
[M8A] Contact Input 7 Events	Enabled
[M8C] Contact Input 8 ID	GRP AJUSTE 2
[M8C] Contact Input 8 Debounce Time	2.0 ms
[M8C] Contact Input 8 Events	Enabled
[P7A] Contact Input 9 ID	P.EXT.50BF-A
[P7A] Contact Input 9 Debounce Time	2.0 ms
[P7A] Contact Input 9 Events	Enabled
[P7C] Contact Input 10 ID	P.EXT.50BF-B
[P7C] Contact Input 10 Debounce Time	2.0 ms
[P7C] Contact Input 10 Events	Enabled
[P8A] Contact Input 11 ID	P.EXT.50BF-C
[P8A] Contact Input 11 Debounce Time	2.0 ms
[P8A] Contact Input 11 Events	Enabled
[P8C] Contact Input 12 ID	RX TRIP REM
[P8C] Contact Input 12 Debounce Time	2.0 ms
[P8C] Contact Input 12 Events	Enabled
[U7A] Contact Input 13 ID	S79 S1 ON
[U7A] Contact Input 13 Debounce Time	2.0 ms
[U7A] Contact Input 13 Events	Enabled
[U7C] Contact Input 14 ID	S79 S2 ON
[U7C] Contact Input 14 Debounce Time	2.0 ms
[U7C] Contact Input 14 Events	Enabled
[U8A] Contact Input 15 ID	Cont Ip 15
[U8A] Contact Input 15 Debounce Time	2.0 ms
[U8A] Contact Input 15 Events	Enabled
[U8C] Contact Input 16 ID	Cont Ip 16

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT INPUTS (continued from last page)

[U8C] Contact Input 16 Debounce Time	2.0 ms
[U8C] Contact Input 16 Events	Enabled
[W1A] Contact Input 17 ID	CTRL HAB 79
[W1A] Contact Input 17 Debounce Time	2.0 ms
[W1A] Contact Input 17 Events	Enabled
[W1C] Contact Input 18 ID	CTRL DES 79
[W1C] Contact Input 18 Debounce Time	2.0 ms
[W1C] Contact Input 18 Events	Enabled
[W2A] Contact Input 19 ID	52B3 CE MAN
[W2A] Contact Input 19 Debounce Time	2.0 ms
[W2A] Contact Input 19 Events	Enabled
[W2C] Contact Input 20 ID	OP 21S1 Z1
[W2C] Contact Input 20 Debounce Time	2.0 ms
[W2C] Contact Input 20 Events	Enabled
[W3A] Contact Input 21 ID	OP 21S1 Z2
[W3A] Contact Input 21 Debounce Time	2.0 ms
[W3A] Contact Input 21 Events	Enabled
[W3C] Contact Input 22 ID	OP 21S1 Z3
[W3C] Contact Input 22 Debounce Time	2.0 ms
[W3C] Contact Input 22 Events	Enabled
[W4A] Contact Input 23 ID	OP 21S1 Z4
[W4A] Contact Input 23 Debounce Time	2.0 ms
[W4A] Contact Input 23 Events	Enabled
[W4C] Contact Input 24 ID	Cont Ip 24
[W4C] Contact Input 24 Debounce Time	2.0 ms
[W4C] Contact Input 24 Events	Enabled
[W5A] Contact Input 25 ID	P.EXT. 79 S1
[W5A] Contact Input 25 Debounce Time	2.0 ms
[W5A] Contact Input 25 Events	Enabled
[W5C] Contact Input 26 ID	Cont Ip 26
[W5C] Contact Input 26 Debounce Time	2.0 ms
[W5C] Contact Input 26 Events	Enabled
[W6A] Contact Input 27 ID	OP 79 SIST.1
[W6A] Contact Input 27 Debounce Time	2.0 ms
[W6A] Contact Input 27 Events	Enabled
[W6C] Contact Input 28 ID	21S1 FALLA
[W6C] Contact Input 28 Debounce Time	2.0 ms
[W6C] Contact Input 28 Events	Enabled
[W7A] Contact Input 29 ID	Cont Ip 29
[W7A] Contact Input 29 Debounce Time	2.0 ms
[W7A] Contact Input 29 Events	Enabled
[W7C] Contact Input 30 ID	FA T/P S2
[W7C] Contact Input 30 Debounce Time	2.0 ms
[W7C] Contact Input 30 Events	Enabled
[W8A] Contact Input 31 ID	BP CONECTADO
[W8A] Contact Input 31 Debounce Time	2.0 ms
[W8A] Contact Input 31 Events	Enabled
[W8C] Contact Input 32 ID	79 S1 HABIL
[W8C] Contact Input 32 Debounce Time	2.0 ms
[W8C] Contact Input 32 Events	Enabled

CONTACT INPUT THRESHOLDS

52B3 AB, Cont Ip 2, Cont Ip 3, 52B3 CE(H7a, H7c, H8a, H8c)	84 Vdc
RX 85A, RX 85C, GRP AJUSTE 1, GRP AJUSTE 2(M7a, M7c, M8a, M8c)	84 Vdc
P.EXT.50BF-A, P.EXT.50BF-B, P.EXT.50BF-C, RX TRIP REM(P7a, P7c, P8a)	84 Vdc
S79 S1 ON, S79 S2 ON, Cont Ip 15, Cont Ip 16(U7a, U7c, U8a, U8c)	84 Vdc
CTRL HAB 79, CTRL DES 79, 52B3 CE MAN, OP 21S1 Z1(W1a, W1c, W2a, W2c)	84 Vdc
OP 21S1 Z2, OP 21S1 Z3, OP 21S1 Z4, Cont Ip 24(W3a, W3c, W4a, W4c)	84 Vdc
P.EXT. 79 S1, Cont Ip 26, OP 79 SIST.1, 21S1 FALLA(W5a, W5c, W6a, W6c)	84 Vdc
Cont Ip 29, FA T/P S2, BP CONECTADO, 79 S1 HABIL(W7a, W7c, W8a, W8c)	84 Vdc

VIRTUAL INPUTS

VIRTUAL INPUTS

Virtual Input 1 Function	Disabled
Virtual Input 1 ID	Virt Ip 1
Virtual Input 1 Type	Latched
Virtual Input 1 Events	Disabled
Virtual Input 2 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 2 ID	Virt Ip 2
Virtual Input 2 Type	Latched
Virtual Input 2 Events	Disabled
Virtual Input 3 Function	Disabled
Virtual Input 3 ID	Virt Ip 3
Virtual Input 3 Type	Latched
Virtual Input 3 Events	Disabled
Virtual Input 4 Function	Disabled
Virtual Input 4 ID	Virt Ip 4
Virtual Input 4 Type	Latched
Virtual Input 4 Events	Disabled
Virtual Input 5 Function	Disabled
Virtual Input 5 ID	Virt Ip 5
Virtual Input 5 Type	Latched
Virtual Input 5 Events	Disabled
Virtual Input 6 Function	Disabled
Virtual Input 6 ID	Virt Ip 6
Virtual Input 6 Type	Latched
Virtual Input 6 Events	Disabled
Virtual Input 7 Function	Disabled
Virtual Input 7 ID	Virt Ip 7
Virtual Input 7 Type	Latched
Virtual Input 7 Events	Disabled
Virtual Input 8 Function	Disabled
Virtual Input 8 ID	Virt Ip 8
Virtual Input 8 Type	Latched
Virtual Input 8 Events	Disabled
Virtual Input 9 Function	Disabled
Virtual Input 9 ID	Virt Ip 9
Virtual Input 9 Type	Latched
Virtual Input 9 Events	Disabled
Virtual Input 10 Function	Disabled
Virtual Input 10 ID	Virt Ip 10
Virtual Input 10 Type	Latched
Virtual Input 10 Events	Disabled
Virtual Input 11 Function	Disabled
Virtual Input 11 ID	Virt Ip 11
Virtual Input 11 Type	Latched
Virtual Input 11 Events	Disabled
Virtual Input 12 Function	Disabled
Virtual Input 12 ID	Virt Ip 12
Virtual Input 12 Type	Latched
Virtual Input 12 Events	Disabled
Virtual Input 13 Function	Disabled
Virtual Input 13 ID	Virt Ip 13
Virtual Input 13 Type	Latched
Virtual Input 13 Events	Disabled
Virtual Input 14 Function	Disabled
Virtual Input 14 ID	Virt Ip 14
Virtual Input 14 Type	Latched
Virtual Input 14 Events	Disabled
Virtual Input 15 Function	Disabled
Virtual Input 15 ID	Virt Ip 15
Virtual Input 15 Type	Latched
Virtual Input 15 Events	Disabled
Virtual Input 16 Function	Disabled
Virtual Input 16 ID	Virt Ip 16
Virtual Input 16 Type	Latched
Virtual Input 16 Events	Disabled
Virtual Input 17 Function	Disabled
Virtual Input 17 ID	Virt Ip 17
Virtual Input 17 Type	Latched
Virtual Input 17 Events	Disabled
Virtual Input 18 Function	Disabled
Virtual Input 18 ID	Virt Ip 18
Virtual Input 18 Type	Latched
Virtual Input 18 Events	Disabled
Virtual Input 19 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 19 ID	Virt Ip 19
Virtual Input 19 Type	Latched
Virtual Input 19 Events	Disabled
Virtual Input 20 Function	Disabled
Virtual Input 20 ID	Virt Ip 20
Virtual Input 20 Type	Latched
Virtual Input 20 Events	Disabled
Virtual Input 21 Function	Disabled
Virtual Input 21 ID	Virt Ip 21
Virtual Input 21 Type	Latched
Virtual Input 21 Events	Disabled
Virtual Input 22 Function	Disabled
Virtual Input 22 ID	Virt Ip 22
Virtual Input 22 Type	Latched
Virtual Input 22 Events	Disabled
Virtual Input 23 Function	Disabled
Virtual Input 23 ID	Virt Ip 23
Virtual Input 23 Type	Latched
Virtual Input 23 Events	Disabled
Virtual Input 24 Function	Disabled
Virtual Input 24 ID	Virt Ip 24
Virtual Input 24 Type	Latched
Virtual Input 24 Events	Disabled
Virtual Input 25 Function	Disabled
Virtual Input 25 ID	Virt Ip 25
Virtual Input 25 Type	Latched
Virtual Input 25 Events	Disabled
Virtual Input 26 Function	Disabled
Virtual Input 26 ID	Virt Ip 26
Virtual Input 26 Type	Latched
Virtual Input 26 Events	Disabled
Virtual Input 27 Function	Disabled
Virtual Input 27 ID	Virt Ip 27
Virtual Input 27 Type	Latched
Virtual Input 27 Events	Disabled
Virtual Input 28 Function	Disabled
Virtual Input 28 ID	Virt Ip 28
Virtual Input 28 Type	Latched
Virtual Input 28 Events	Disabled
Virtual Input 29 Function	Disabled
Virtual Input 29 ID	Virt Ip 29
Virtual Input 29 Type	Latched
Virtual Input 29 Events	Disabled
Virtual Input 30 Function	Disabled
Virtual Input 30 ID	Virt Ip 30
Virtual Input 30 Type	Latched
Virtual Input 30 Events	Disabled
Virtual Input 31 Function	Disabled
Virtual Input 31 ID	Virt Ip 31
Virtual Input 31 Type	Latched
Virtual Input 31 Events	Disabled
Virtual Input 32 Function	Disabled
Virtual Input 32 ID	Virt Ip 32
Virtual Input 32 Type	Latched
Virtual Input 32 Events	Disabled
Virtual Input 33 Function	Disabled
Virtual Input 33 ID	Virt Ip 33
Virtual Input 33 Type	Latched
Virtual Input 33 Events	Disabled
Virtual Input 34 Function	Disabled
Virtual Input 34 ID	Virt Ip 34
Virtual Input 34 Type	Latched
Virtual Input 34 Events	Disabled
Virtual Input 35 Function	Disabled
Virtual Input 35 ID	Virt Ip 35
Virtual Input 35 Type	Latched
Virtual Input 35 Events	Disabled
Virtual Input 36 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 36 ID	Virt Ip 36
Virtual Input 36 Type	Latched
Virtual Input 36 Events	Disabled
Virtual Input 37 Function	Disabled
Virtual Input 37 ID	Virt Ip 37
Virtual Input 37 Type	Latched
Virtual Input 37 Events	Disabled
Virtual Input 38 Function	Disabled
Virtual Input 38 ID	Virt Ip 38
Virtual Input 38 Type	Latched
Virtual Input 38 Events	Disabled
Virtual Input 39 Function	Disabled
Virtual Input 39 ID	Virt Ip 39
Virtual Input 39 Type	Latched
Virtual Input 39 Events	Disabled
Virtual Input 40 Function	Disabled
Virtual Input 40 ID	Virt Ip 40
Virtual Input 40 Type	Latched
Virtual Input 40 Events	Disabled
Virtual Input 41 Function	Disabled
Virtual Input 41 ID	Virt Ip 41
Virtual Input 41 Type	Latched
Virtual Input 41 Events	Disabled
Virtual Input 42 Function	Disabled
Virtual Input 42 ID	Virt Ip 42
Virtual Input 42 Type	Latched
Virtual Input 42 Events	Disabled
Virtual Input 43 Function	Disabled
Virtual Input 43 ID	Virt Ip 43
Virtual Input 43 Type	Latched
Virtual Input 43 Events	Disabled
Virtual Input 44 Function	Disabled
Virtual Input 44 ID	Virt Ip 44
Virtual Input 44 Type	Latched
Virtual Input 44 Events	Disabled
Virtual Input 45 Function	Disabled
Virtual Input 45 ID	Virt Ip 45
Virtual Input 45 Type	Latched
Virtual Input 45 Events	Disabled
Virtual Input 46 Function	Disabled
Virtual Input 46 ID	Virt Ip 46
Virtual Input 46 Type	Latched
Virtual Input 46 Events	Disabled
Virtual Input 47 Function	Disabled
Virtual Input 47 ID	Virt Ip 47
Virtual Input 47 Type	Latched
Virtual Input 47 Events	Disabled
Virtual Input 48 Function	Disabled
Virtual Input 48 ID	Virt Ip 48
Virtual Input 48 Type	Latched
Virtual Input 48 Events	Disabled
Virtual Input 49 Function	Disabled
Virtual Input 49 ID	Virt Ip 49
Virtual Input 49 Type	Latched
Virtual Input 49 Events	Disabled
Virtual Input 50 Function	Disabled
Virtual Input 50 ID	Virt Ip 50
Virtual Input 50 Type	Latched
Virtual Input 50 Events	Disabled
Virtual Input 51 Function	Disabled
Virtual Input 51 ID	Virt Ip 51
Virtual Input 51 Type	Latched
Virtual Input 51 Events	Disabled
Virtual Input 52 Function	Disabled
Virtual Input 52 ID	Virt Ip 52
Virtual Input 52 Type	Latched
Virtual Input 52 Events	Disabled
Virtual Input 53 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 53 ID	Virt Ip 53
Virtual Input 53 Type	Latched
Virtual Input 53 Events	Disabled
Virtual Input 54 Function	Disabled
Virtual Input 54 ID	Virt Ip 54
Virtual Input 54 Type	Latched
Virtual Input 54 Events	Disabled
Virtual Input 55 Function	Disabled
Virtual Input 55 ID	Virt Ip 55
Virtual Input 55 Type	Latched
Virtual Input 55 Events	Disabled
Virtual Input 56 Function	Disabled
Virtual Input 56 ID	Virt Ip 56
Virtual Input 56 Type	Latched
Virtual Input 56 Events	Disabled
Virtual Input 57 Function	Disabled
Virtual Input 57 ID	Virt Ip 57
Virtual Input 57 Type	Latched
Virtual Input 57 Events	Disabled
Virtual Input 58 Function	Disabled
Virtual Input 58 ID	Virt Ip 58
Virtual Input 58 Type	Latched
Virtual Input 58 Events	Disabled
Virtual Input 59 Function	Disabled
Virtual Input 59 ID	Virt Ip 59
Virtual Input 59 Type	Latched
Virtual Input 59 Events	Disabled
Virtual Input 60 Function	Disabled
Virtual Input 60 ID	Virt Ip 60
Virtual Input 60 Type	Latched
Virtual Input 60 Events	Disabled
Virtual Input 61 Function	Disabled
Virtual Input 61 ID	Virt Ip 61
Virtual Input 61 Type	Latched
Virtual Input 61 Events	Disabled
Virtual Input 62 Function	Disabled
Virtual Input 62 ID	Virt Ip 62
Virtual Input 62 Type	Latched
Virtual Input 62 Events	Disabled
Virtual Input 63 Function	Disabled
Virtual Input 63 ID	Virt Ip 63
Virtual Input 63 Type	Latched
Virtual Input 63 Events	Disabled
Virtual Input 64 Function	Enabled
Virtual Input 64 ID	RST COUNTERS
Virtual Input 64 Type	Self-Reset
Virtual Input 64 Events	Enabled

CONTACT OUTPUTS

[H1] Contact Output 1 ID	TRIP1 52B3-A
[H1] Contact Output 1 Operate	TRIP PHASE A
[H1] Contact Output 1 Seal-In	TRIP1 52B3-A IOon (H1)
[H1] Contact Output 1 Events	Enabled
[H2] Contact Output 2 ID	TRIP1 52B3-B
[H2] Contact Output 2 Operate	TRIP PHASE B
[H2] Contact Output 2 Seal-In	TRIP1 52B3-B IOon (H2)
[H2] Contact Output 2 Events	Enabled
[H3] Contact Output 3 ID	TRIP1 52B3-C
[H3] Contact Output 3 Operate	TRIP PHASE C
[H3] Contact Output 3 Seal-In	TRIP1 52B3-C IOon (H3)
[H3] Contact Output 3 Events	Enabled
[H4] Contact Output 4 ID	TRIP2 52B3-A
[H4] Contact Output 4 Operate	TRIP PHASE A
[H4] Contact Output 4 Seal-In	TRIP2 52B3-A IOon (H4)
[H4] Contact Output 4 Events	Enabled
[H5] Contact Output 5 ID	TRIP2 52B3-B
[H5] Contact Output 5 Operate	TRIP PHASE B
[H5] Contact Output 5 Seal-In	TRIP2 52B3-B IOon (H5)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

[H5] Contact Output 5 Events	Enabled
[H6] Contact Output 6 ID	TRIP2 52B3-C
[H6] Contact Output 6 Operate	TRIP PHASE C
[H6] Contact Output 6 Seal-In	TRIP2 52B3-C IO n (H6)
[H6] Contact Output 6 Events	Enabled
[M1] Contact Output 7 ID	TX 85D-A
[M1] Contact Output 7 Operate	TRIP PHASE A
[M1] Contact Output 7 Seal-In	OFF
[M1] Contact Output 7 Events	Enabled
[M2] Contact Output 8 ID	TX 85D-B
[M2] Contact Output 8 Operate	TRIP PHASE B
[M2] Contact Output 8 Seal-In	OFF
[M2] Contact Output 8 Events	Enabled
[M3] Contact Output 9 ID	TX 85D-C
[M3] Contact Output 9 Operate	TRIP PHASE C
[M3] Contact Output 9 Seal-In	OFF
[M3] Contact Output 9 Events	Enabled
[M4] Contact Output 10 ID	TX 85A/C
[M4] Contact Output 10 Operate	TX 85A/C On (VO27)
[M4] Contact Output 10 Seal-In	OFF
[M4] Contact Output 10 Events	Enabled
[M5] Contact Output 11 ID	79 21S2 DESH
[M5] Contact Output 11 Operate	AR DISABLED
[M5] Contact Output 11 Seal-In	OFF
[M5] Contact Output 11 Events	Enabled
[M6] Contact Output 12 ID	RESET 21S1
[M6] Contact Output 12 Operate	RST DEVICE On (VO26)
[M6] Contact Output 12 Seal-In	OFF
[M6] Contact Output 12 Events	Enabled
[P1] Contact Output 13 ID	CE 52B3 x79
[P1] Contact Output 13 Operate	CLOSE PROT. On (VO10)
[P1] Contact Output 13 Seal-In	CE 52B3 x79 IO n (P1)
[P1] Contact Output 13 Events	Enabled
[P2] Contact Output 14 ID	TX 79DD
[P2] Contact Output 14 Operate	CLOSE PROT. On (VO10)
[P2] Contact Output 14 Seal-In	OFF
[P2] Contact Output 14 Events	Enabled
[P3] Contact Output 15 ID	OP REC 21S2
[P3] Contact Output 15 Operate	CLOSE PROT. On (VO10)
[P3] Contact Output 15 Seal-In	OFF
[P3] Contact Output 15 Events	Enabled
[P4] Contact Output 16 ID	OP 50BF
[P4] Contact Output 16 Operate	BKR FAIL 1 TRIP OP
[P4] Contact Output 16 Seal-In	OFF
[P4] Contact Output 16 Events	Enabled
[P5] Contact Output 17 ID	AL OP 50BF
[P5] Contact Output 17 Operate	BKR FAIL 1 TRIP OP
[P5] Contact Output 17 Seal-In	OFF
[P5] Contact Output 17 Events	Enabled
[P6] Contact Output 18 ID	PART 79 > S1
[P6] Contact Output 18 Operate	TRIPBUS 2 OP
[P6] Contact Output 18 Seal-In	OFF
[P6] Contact Output 18 Events	Enabled
[U1] Contact Output 19 ID	Cont Op 19
[U1] Contact Output 19 Operate	OFF
[U1] Contact Output 19 Seal-In	OFF
[U1] Contact Output 19 Events	Enabled
[U2] Contact Output 20 ID	AL OP PROT
[U2] Contact Output 20 Operate	TRIP PROT. On (VO9)
[U2] Contact Output 20 Seal-In	OFF
[U2] Contact Output 20 Events	Enabled
[U3] Contact Output 21 ID	AL OP RECONX
[U3] Contact Output 21 Operate	CLOSE PROT. On (VO10)
[U3] Contact Output 21 Seal-In	OFF
[U3] Contact Output 21 Events	Enabled
[U4] Contact Output 22 ID	Cont Op 22
[U4] Contact Output 22 Operate	OFF
[U4] Contact Output 22 Seal-In	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

[U4] Contact Output 22 Events	Enabled
[U5] Contact Output 23 ID	79 21S2 HAB
[U5] Contact Output 23 Operate	AR ENABLED
[U5] Contact Output 23 Seal-In	OFF
[U5] Contact Output 23 Events	Enabled
[U6] Contact Output 24 ID	AL OP PROT
[U6] Contact Output 24 Operate	TRIP PROT. On (VO9)
[U6] Contact Output 24 Seal-In	OFF
[U6] Contact Output 24 Events	Enabled

VIRTUAL OUTPUTS

Virtual Output 1 ID	PART 50BF-A
Virtual Output 1 Events	Enabled
Virtual Output 2 ID	PART 50BF-B
Virtual Output 2 Events	Enabled
Virtual Output 3 ID	PART 50BF-C
Virtual Output 3 Events	Enabled
Virtual Output 4 ID	PART 50BF 3P
Virtual Output 4 Events	Enabled
Virtual Output 5 ID	PART 79 3P
Virtual Output 5 Events	Enabled
Virtual Output 6 ID	BLOCK 79
Virtual Output 6 Events	Enabled
Virtual Output 7 ID	CE MAN 52B3
Virtual Output 7 Events	Enabled
Virtual Output 8 ID	Virt Op 8
Virtual Output 8 Events	Enabled
Virtual Output 9 ID	TRIP PROT.
Virtual Output 9 Events	Disabled
Virtual Output 10 ID	CLOSE PROT.
Virtual Output 10 Events	Disabled
Virtual Output 11 ID	TDD PROT.
Virtual Output 11 Events	Disabled
Virtual Output 12 ID	PKP PROT.
Virtual Output 12 Events	Disabled
Virtual Output 13 ID	OSCILOGRAFIA
Virtual Output 13 Events	Disabled
Virtual Output 14 ID	SCA OP 21 Z1
Virtual Output 14 Events	Enabled
Virtual Output 15 ID	SCA OP 21 Z2
Virtual Output 15 Events	Enabled
Virtual Output 16 ID	SCA OP 21 Z3
Virtual Output 16 Events	Enabled
Virtual Output 17 ID	SCA OP 21 Z4
Virtual Output 17 Events	Enabled
Virtual Output 18 ID	SCA OP 21 Z5
Virtual Output 18 Events	Enabled
Virtual Output 19 ID	SCA OP 51P
Virtual Output 19 Events	Enabled
Virtual Output 20 ID	SCA OP 51N
Virtual Output 20 Events	Enabled
Virtual Output 21 ID	SCA OP LINE
Virtual Output 21 Events	Enabled
Virtual Output 22 ID	BLOCK SOTF
Virtual Output 22 Events	Enabled
Virtual Output 23 ID	HAB 79 VO23
Virtual Output 23 Events	Enabled
Virtual Output 24 ID	DES 79 VO24
Virtual Output 24 Events	Enabled
Virtual Output 25 ID	DES/HAB 79
Virtual Output 25 Events	Enabled
Virtual Output 26 ID	RST DEVICE
Virtual Output 26 Events	Enabled
Virtual Output 27 ID	TX 85A/C
Virtual Output 27 Events	Disabled
Virtual Output 28 ID	79 RIP
Virtual Output 28 Events	Disabled
Virtual Output 29 ID	Virt Op 29

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

Virtual Output 29 Events	Disabled
Virtual Output 30 ID	TRIP FAULT R
Virtual Output 30 Events	Disabled
Virtual Output 31 ID	PEXT 79S1 OK
Virtual Output 31 Events	Enabled
Virtual Output 32 ID	Virt Op 32
Virtual Output 32 Events	Disabled
Virtual Output 33 ID	SCA OP 50BF
Virtual Output 33 Events	Enabled
Virtual Output 34 ID	SCA OP 79 S2
Virtual Output 34 Events	Enabled
Virtual Output 35 ID	SCA OP 79 B3
Virtual Output 35 Events	Enabled
Virtual Output 36 ID	SCA FAULT R
Virtual Output 36 Events	Enabled
Virtual Output 37 ID	SCA ANY B3
Virtual Output 37 Events	Enabled
Virtual Output 38 ID	SCA OP 46
Virtual Output 38 Events	Enabled
Virtual Output 39 ID	SCA CUT LINE
Virtual Output 39 Events	Enabled
Virtual Output 40 ID	SC AP B3 Rx
Virtual Output 40 Events	Enabled
Virtual Output 41 ID	OP 21S1 Z1
Virtual Output 41 Events	Enabled
Virtual Output 42 ID	OP 21S1 Z2
Virtual Output 42 Events	Enabled
Virtual Output 43 ID	OP 21S1 Z3
Virtual Output 43 Events	Enabled
Virtual Output 44 ID	OP 21S1 Z4
Virtual Output 44 Events	Enabled
Virtual Output 45 ID	OP 79 SIST.1
Virtual Output 45 Events	Enabled
Virtual Output 46 ID	PH DIR1 BLKA
Virtual Output 46 Events	Enabled
Virtual Output 47 ID	PH DIR1 BLKB
Virtual Output 47 Events	Enabled
Virtual Output 48 ID	PH DIR1 BLKC
Virtual Output 48 Events	Enabled
Virtual Output 49 ID	Virt Op 49
Virtual Output 49 Events	Disabled
Virtual Output 50 ID	Virt Op 50
Virtual Output 50 Events	Disabled
Virtual Output 51 ID	Virt Op 51
Virtual Output 51 Events	Disabled
Virtual Output 52 ID	Virt Op 52
Virtual Output 52 Events	Disabled
Virtual Output 53 ID	Virt Op 53
Virtual Output 53 Events	Disabled
Virtual Output 54 ID	Virt Op 54
Virtual Output 54 Events	Disabled
Virtual Output 55 ID	Virt Op 55
Virtual Output 55 Events	Disabled
Virtual Output 56 ID	Virt Op 56
Virtual Output 56 Events	Disabled
Virtual Output 57 ID	Virt Op 57
Virtual Output 57 Events	Disabled
Virtual Output 58 ID	Virt Op 58
Virtual Output 58 Events	Disabled
Virtual Output 59 ID	Virt Op 59
Virtual Output 59 Events	Disabled
Virtual Output 60 ID	Virt Op 60
Virtual Output 60 Events	Disabled
Virtual Output 61 ID	Virt Op 61
Virtual Output 61 Events	Disabled
Virtual Output 62 ID	Virt Op 62
Virtual Output 62 Events	Disabled
Virtual Output 63 ID	Virt Op 63

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

Virtual Output 63 Events	Disabled
Virtual Output 64 ID	Osc Trigger
Virtual Output 64 Events	Enabled
Virtual Output 65 ID	Virt Op 65
Virtual Output 65 Events	Disabled
Virtual Output 66 ID	Virt Op 66
Virtual Output 66 Events	Disabled
Virtual Output 67 ID	Virt Op 67
Virtual Output 67 Events	Disabled
Virtual Output 68 ID	Virt Op 68
Virtual Output 68 Events	Disabled
Virtual Output 69 ID	Virt Op 69
Virtual Output 69 Events	Disabled
Virtual Output 70 ID	Virt Op 70
Virtual Output 70 Events	Disabled
Virtual Output 71 ID	Virt Op 71
Virtual Output 71 Events	Disabled
Virtual Output 72 ID	Virt Op 72
Virtual Output 72 Events	Disabled
Virtual Output 73 ID	Virt Op 73
Virtual Output 73 Events	Disabled
Virtual Output 74 ID	Virt Op 74
Virtual Output 74 Events	Disabled
Virtual Output 75 ID	Virt Op 75
Virtual Output 75 Events	Disabled
Virtual Output 76 ID	Virt Op 76
Virtual Output 76 Events	Disabled
Virtual Output 77 ID	Virt Op 77
Virtual Output 77 Events	Disabled
Virtual Output 78 ID	Virt Op 78
Virtual Output 78 Events	Disabled
Virtual Output 79 ID	Virt Op 79
Virtual Output 79 Events	Disabled
Virtual Output 80 ID	Virt Op 80
Virtual Output 80 Events	Disabled
Virtual Output 81 ID	Virt Op 81
Virtual Output 81 Events	Disabled
Virtual Output 82 ID	Virt Op 82
Virtual Output 82 Events	Disabled
Virtual Output 83 ID	Virt Op 83
Virtual Output 83 Events	Disabled
Virtual Output 84 ID	Virt Op 84
Virtual Output 84 Events	Disabled
Virtual Output 85 ID	Virt Op 85
Virtual Output 85 Events	Disabled
Virtual Output 86 ID	Virt Op 86
Virtual Output 86 Events	Disabled
Virtual Output 87 ID	Virt Op 87
Virtual Output 87 Events	Disabled
Virtual Output 88 ID	Virt Op 88
Virtual Output 88 Events	Disabled
Virtual Output 89 ID	Virt Op 89
Virtual Output 89 Events	Disabled
Virtual Output 90 ID	Virt Op 90
Virtual Output 90 Events	Disabled
Virtual Output 91 ID	Virt Op 91
Virtual Output 91 Events	Disabled
Virtual Output 92 ID	Virt Op 92
Virtual Output 92 Events	Disabled
Virtual Output 93 ID	Virt Op 93
Virtual Output 93 Events	Disabled
Virtual Output 94 ID	Virt Op 94
Virtual Output 94 Events	Disabled
Virtual Output 95 ID	Virt Op 95
Virtual Output 95 Events	Disabled
Virtual Output 96 ID	Virt Op 96
Virtual Output 96 Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE DEVICES

Remote Device 1 ID	EML-PAR-87B-B30
Remote Device 1 ETYPE APPID	0
Remote Device 1 DATASET	Fixed
Remote Device 2 ID	PARI_C30_3
Remote Device 2 ETYPE APPID	0
Remote Device 2 DATASET	Fixed
Remote Device 3 ID	PARI_C30_4
Remote Device 3 ETYPE APPID	0
Remote Device 3 DATASET	Fixed
Remote Device 4 ID	EML-PAR-B3-21S1-D90
Remote Device 4 ETYPE APPID	0
Remote Device 4 DATASET	Fixed
Remote Device 5 ID	Remote Device 5
Remote Device 5 ETYPE APPID	0
Remote Device 5 DATASET	Fixed
Remote Device 6 ID	Remote Device 6
Remote Device 6 ETYPE APPID	0
Remote Device 6 DATASET	Fixed
Remote Device 7 ID	Remote Device 7
Remote Device 7 ETYPE APPID	0
Remote Device 7 DATASET	Fixed
Remote Device 8 ID	Remote Device 8
Remote Device 8 ETYPE APPID	0
Remote Device 8 DATASET	Fixed
Remote Device 9 ID	Remote Device 9
Remote Device 9 ETYPE APPID	0
Remote Device 9 DATASET	Fixed
Remote Device 10 ID	Remote Device 10
Remote Device 10 ETYPE APPID	0
Remote Device 10 DATASET	Fixed
Remote Device 11 ID	Remote Device 11
Remote Device 11 ETYPE APPID	0
Remote Device 11 DATASET	Fixed
Remote Device 12 ID	Remote Device 12
Remote Device 12 ETYPE APPID	0
Remote Device 12 DATASET	Fixed
Remote Device 13 ID	Remote Device 13
Remote Device 13 ETYPE APPID	0
Remote Device 13 DATASET	Fixed
Remote Device 14 ID	Remote Device 14
Remote Device 14 ETYPE APPID	0
Remote Device 14 DATASET	Fixed
Remote Device 15 ID	Remote Device 15
Remote Device 15 ETYPE APPID	0
Remote Device 15 DATASET	Fixed
Remote Device 16 ID	Remote Device 16
Remote Device 16 ETYPE APPID	0
Remote Device 16 DATASET	Fixed

REMOTE INPUTS

Remote Input 1 Name	52B3-AL-SF6
Remote Input 1 Device	PARI_C30_3
Remote Input 1 Item	UserSt-5
Remote Input 1 Default State	Off
Remote Input 1 Events	Enabled
Remote Input 2 Name	52B3-RS-DES
Remote Input 2 Device	PARI_C30_3
Remote Input 2 Item	UserSt-6
Remote Input 2 Default State	Off
Remote Input 2 Events	Enabled
Remote Input 3 Name	52B3-B1-VCC
Remote Input 3 Device	PARI_C30_3
Remote Input 3 Item	UserSt-7
Remote Input 3 Default State	Off
Remote Input 3 Events	Enabled
Remote Input 4 Name	52B3-B2-VCC
Remote Input 4 Device	PARI_C30_3
Remote Input 4 Item	UserSt-8

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE INPUTS (continued from last page)

Remote Input 4 Default State	Off
Remote Input 4 Events	Enabled
Remote Input 5 Name	86B3 OP
Remote Input 5 Device	EML-PAR-87B-B30
Remote Input 5 Item	UserSt-5
Remote Input 5 Default State	Off
Remote Input 5 Events	Enabled
Remote Input 6 Name	Rx TRIP B3
Remote Input 6 Device	PAR1_C30_4
Remote Input 6 Item	UserSt-3
Remote Input 6 Default State	Off
Remote Input 6 Events	Enabled
Remote Input 7 Name	TRIP 21S1
Remote Input 7 Device	EML-PAR-B3-21S1-D90
Remote Input 7 Item	DNA-1
Remote Input 7 Default State	Off
Remote Input 7 Events	Enabled
Remote Input 8 Name	Rem Ip 8
Remote Input 8 Device	EML-PAR-87B-B30
Remote Input 8 Item	None
Remote Input 8 Default State	Off
Remote Input 8 Events	Disabled
Remote Input 9 Name	Rem Ip 9
Remote Input 9 Device	EML-PAR-87B-B30
Remote Input 9 Item	None
Remote Input 9 Default State	Off
Remote Input 9 Events	Disabled
Remote Input 10 Name	Rem Ip 10
Remote Input 10 Device	EML-PAR-87B-B30
Remote Input 10 Item	None
Remote Input 10 Default State	Off
Remote Input 10 Events	Disabled
Remote Input 11 Name	Rem Ip 11
Remote Input 11 Device	EML-PAR-87B-B30
Remote Input 11 Item	None
Remote Input 11 Default State	Off
Remote Input 11 Events	Disabled
Remote Input 12 Name	Rem Ip 12
Remote Input 12 Device	EML-PAR-87B-B30
Remote Input 12 Item	None
Remote Input 12 Default State	Off
Remote Input 12 Events	Disabled
Remote Input 13 Name	Rem Ip 13
Remote Input 13 Device	EML-PAR-87B-B30
Remote Input 13 Item	None
Remote Input 13 Default State	Off
Remote Input 13 Events	Disabled
Remote Input 14 Name	Rem Ip 14
Remote Input 14 Device	EML-PAR-87B-B30
Remote Input 14 Item	None
Remote Input 14 Default State	Off
Remote Input 14 Events	Disabled
Remote Input 15 Name	Rem Ip 15
Remote Input 15 Device	EML-PAR-87B-B30
Remote Input 15 Item	None
Remote Input 15 Default State	Off
Remote Input 15 Events	Disabled
Remote Input 16 Name	Rem Ip 16
Remote Input 16 Device	EML-PAR-87B-B30
Remote Input 16 Item	None
Remote Input 16 Default State	Off
Remote Input 16 Events	Disabled
Remote Input 17 Name	Rem Ip 17
Remote Input 17 Device	EML-PAR-87B-B30
Remote Input 17 Item	None
Remote Input 17 Default State	Off
Remote Input 17 Events	Disabled
Remote Input 18 Name	Rem Ip 18

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE INPUTS (continued from last page)

Remote Input 18 Device	EML-PAR-87B-B30
Remote Input 18 Item	None
Remote Input 18 Default State	Off
Remote Input 18 Events	Disabled
Remote Input 19 Name	Rem Ip 19
Remote Input 19 Device	EML-PAR-87B-B30
Remote Input 19 Item	None
Remote Input 19 Default State	Off
Remote Input 19 Events	Disabled
Remote Input 20 Name	Rem Ip 20
Remote Input 20 Device	EML-PAR-87B-B30
Remote Input 20 Item	None
Remote Input 20 Default State	Off
Remote Input 20 Events	Disabled
Remote Input 21 Name	Rem Ip 21
Remote Input 21 Device	EML-PAR-87B-B30
Remote Input 21 Item	None
Remote Input 21 Default State	Off
Remote Input 21 Events	Disabled
Remote Input 22 Name	Rem Ip 22
Remote Input 22 Device	EML-PAR-87B-B30
Remote Input 22 Item	None
Remote Input 22 Default State	Off
Remote Input 22 Events	Disabled
Remote Input 23 Name	Rem Ip 23
Remote Input 23 Device	EML-PAR-87B-B30
Remote Input 23 Item	None
Remote Input 23 Default State	Off
Remote Input 23 Events	Disabled
Remote Input 24 Name	Rem Ip 24
Remote Input 24 Device	EML-PAR-87B-B30
Remote Input 24 Item	None
Remote Input 24 Default State	Off
Remote Input 24 Events	Disabled
Remote Input 25 Name	Rem Ip 25
Remote Input 25 Device	EML-PAR-87B-B30
Remote Input 25 Item	None
Remote Input 25 Default State	Off
Remote Input 25 Events	Disabled
Remote Input 26 Name	Rem Ip 26
Remote Input 26 Device	EML-PAR-87B-B30
Remote Input 26 Item	None
Remote Input 26 Default State	Off
Remote Input 26 Events	Disabled
Remote Input 27 Name	Rem Ip 27
Remote Input 27 Device	EML-PAR-87B-B30
Remote Input 27 Item	None
Remote Input 27 Default State	Off
Remote Input 27 Events	Disabled
Remote Input 28 Name	Rem Ip 28
Remote Input 28 Device	EML-PAR-87B-B30
Remote Input 28 Item	None
Remote Input 28 Default State	Off
Remote Input 28 Events	Disabled
Remote Input 29 Name	Rem Ip 29
Remote Input 29 Device	EML-PAR-87B-B30
Remote Input 29 Item	None
Remote Input 29 Default State	Off
Remote Input 29 Events	Disabled
Remote Input 30 Name	Rem Ip 30
Remote Input 30 Device	EML-PAR-87B-B30
Remote Input 30 Item	None
Remote Input 30 Default State	Off
Remote Input 30 Events	Disabled
Remote Input 31 Name	Rem Ip 31
Remote Input 31 Device	EML-PAR-87B-B30
Remote Input 31 Item	None
Remote Input 31 Default State	Off

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**REMOTE INPUTS (continued from last page)

Remote Input 31 Events	Disabled
Remote Input 32 Name	Rem Ip 32
Remote Input 32 Device	EML-PAR-87B-B30
Remote Input 32 Item	None
Remote Input 32 Default State	Off
Remote Input 32 Events	Disabled

REMOTE DPS INPUTS

Remote DPS Input 1 Name	RemDPS Ip 1
Remote DPS Input 1 Device	EML-PAR-87B-B30
Remote DPS Input 1 Item	None
Remote DPS Input 1 Events	Disabled
Remote DPS Input 2 Name	RemDPS Ip 2
Remote DPS Input 2 Device	EML-PAR-87B-B30
Remote DPS Input 2 Item	None
Remote DPS Input 2 Events	Disabled
Remote DPS Input 3 Name	RemDPS Ip 3
Remote DPS Input 3 Device	EML-PAR-87B-B30
Remote DPS Input 3 Item	None
Remote DPS Input 3 Events	Disabled
Remote DPS Input 4 Name	RemDPS Ip 4
Remote DPS Input 4 Device	EML-PAR-87B-B30
Remote DPS Input 4 Item	None
Remote DPS Input 4 Events	Disabled
Remote DPS Input 5 Name	RemDPS Ip 5
Remote DPS Input 5 Device	EML-PAR-87B-B30
Remote DPS Input 5 Item	None
Remote DPS Input 5 Events	Disabled

REMOTE OUTPUTS DNA BIT PAIRS

DNA 1: OPERAND	TRIP PROT. On (VO9)
DNA 1: EVENTS	Disabled
DNA 2: OPERAND	OFF
DNA 2: EVENTS	Disabled
DNA 3: OPERAND	OFF
DNA 3: EVENTS	Disabled
DNA 4: OPERAND	OFF
DNA 4: EVENTS	Disabled
DNA 5: OPERAND	OFF
DNA 5: EVENTS	Disabled
DNA 6: OPERAND	OFF
DNA 6: EVENTS	Disabled
DNA 7: OPERAND	OFF
DNA 7: EVENTS	Disabled
DNA 8: OPERAND	OFF
DNA 8: EVENTS	Disabled
DNA 9: OPERAND	OFF
DNA 9: EVENTS	Disabled
DNA 10: OPERAND	OFF
DNA 10: EVENTS	Disabled
DNA 11: OPERAND	OFF
DNA 11: EVENTS	Disabled
DNA 12: OPERAND	OFF
DNA 12: EVENTS	Disabled
DNA 13: OPERAND	OFF
DNA 13: EVENTS	Disabled
DNA 14: OPERAND	OFF
DNA 14: EVENTS	Disabled
DNA 15: OPERAND	OFF
DNA 15: EVENTS	Disabled
DNA 16: OPERAND	OFF
DNA 16: EVENTS	Disabled
DNA 17: OPERAND	OFF
DNA 17: EVENTS	Disabled
DNA 18: OPERAND	OFF
DNA 18: EVENTS	Disabled
DNA 19: OPERAND	OFF
DNA 19: EVENTS	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE OUTPUTS DNA BIT PAIRS (continued from last page)

DNA 20: OPERAND	OFF
DNA 20: EVENTS	Disabled
DNA 21: OPERAND	OFF
DNA 21: EVENTS	Disabled
DNA 22: OPERAND	OFF
DNA 22: EVENTS	Disabled
DNA 23: OPERAND	OFF
DNA 23: EVENTS	Disabled
DNA 24: OPERAND	OFF
DNA 24: EVENTS	Disabled
DNA 25: OPERAND	OFF
DNA 25: EVENTS	Disabled
DNA 26: OPERAND	OFF
DNA 26: EVENTS	Disabled
DNA 27: OPERAND	OFF
DNA 27: EVENTS	Disabled
DNA 28: OPERAND	OFF
DNA 28: EVENTS	Disabled
DNA 29: OPERAND	OFF
DNA 29: EVENTS	Disabled
DNA 30: OPERAND	OFF
DNA 30: EVENTS	Disabled
DNA 31: OPERAND	OFF
DNA 31: EVENTS	Disabled
DNA 32: OPERAND	OFF
DNA 32: EVENTS	Disabled

REMOTE OUTPUTS USERST BIT PAIRS

UserSt 1: OPERAND	SCA OP ANY AP(DE1) DPO
UserSt 1: EVENTS	Disabled
UserSt 2: OPERAND	SCA 85C REM AP(DE2) DPO
UserSt 2: EVENTS	Disabled
UserSt 3: OPERAND	OFF
UserSt 3: EVENTS	Disabled
UserSt 4: OPERAND	OFF
UserSt 4: EVENTS	Disabled
UserSt 5: OPERAND	OFF
UserSt 5: EVENTS	Disabled
UserSt 6: OPERAND	OFF
UserSt 6: EVENTS	Disabled
UserSt 7: OPERAND	OFF
UserSt 7: EVENTS	Disabled
UserSt 8: OPERAND	OFF
UserSt 8: EVENTS	Disabled
UserSt 9: OPERAND	OFF
UserSt 9: EVENTS	Disabled
UserSt 10: OPERAND	OFF
UserSt 10: EVENTS	Disabled
UserSt 11: OPERAND	OFF
UserSt 11: EVENTS	Disabled
UserSt 12: OPERAND	OFF
UserSt 12: EVENTS	Disabled
UserSt 13: OPERAND	OFF
UserSt 13: EVENTS	Disabled
UserSt 14: OPERAND	OFF
UserSt 14: EVENTS	Disabled
UserSt 15: OPERAND	OFF
UserSt 15: EVENTS	Disabled
UserSt 16: OPERAND	OFF
UserSt 16: EVENTS	Disabled
UserSt 17: OPERAND	OFF
UserSt 17: EVENTS	Disabled
UserSt 18: OPERAND	OFF
UserSt 18: EVENTS	Disabled
UserSt 19: OPERAND	OFF
UserSt 19: EVENTS	Disabled
UserSt 20: OPERAND	OFF
UserSt 20: EVENTS	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE OUTPUTS USERST BIT PAIRS (continued from last page)

UserSt 21: OPERAND	OFF
UserSt 21: EVENTS	Disabled
UserSt 22: OPERAND	OFF
UserSt 22: EVENTS	Disabled
UserSt 23: OPERAND	OFF
UserSt 23: EVENTS	Disabled
UserSt 24: OPERAND	OFF
UserSt 24: EVENTS	Disabled
UserSt 25: OPERAND	OFF
UserSt 25: EVENTS	Disabled
UserSt 26: OPERAND	OFF
UserSt 26: EVENTS	Disabled
UserSt 27: OPERAND	OFF
UserSt 27: EVENTS	Disabled
UserSt 28: OPERAND	OFF
UserSt 28: EVENTS	Disabled
UserSt 29: OPERAND	52B3 AB On(H7a)
UserSt 29: EVENTS	Disabled
UserSt 30: OPERAND	OFF
UserSt 30: EVENTS	Disabled
UserSt 31: OPERAND	OFF
UserSt 31: EVENTS	Disabled
UserSt 32: OPERAND	52B3 CE On(H8c)
UserSt 32: EVENTS	Disabled

RESETTING

Operand	RST DEVICE On (VO26)

IEC 61850 GOOSE ANALOGS INPUTS

IEC61850 GOOSE Analog Input 1 Default Value	1000.000
IEC61850 GOOSE Analog Input 1 Mode	Default Value
IEC61850 GOOSE Analog Input 1 Units	
IEC61850 GOOSE Analog Input 1 PU Base	1.000
IEC61850 GOOSE Analog Input 2 Default Value	1000.000
IEC61850 GOOSE Analog Input 2 Mode	Default Value
IEC61850 GOOSE Analog Input 2 Units	
IEC61850 GOOSE Analog Input 2 PU Base	1.000
IEC61850 GOOSE Analog Input 3 Default Value	1000.000
IEC61850 GOOSE Analog Input 3 Mode	Default Value
IEC61850 GOOSE Analog Input 3 Units	
IEC61850 GOOSE Analog Input 3 PU Base	1.000
IEC61850 GOOSE Analog Input 4 Default Value	1000.000
IEC61850 GOOSE Analog Input 4 Mode	Default Value
IEC61850 GOOSE Analog Input 4 Units	
IEC61850 GOOSE Analog Input 4 PU Base	1.000
IEC61850 GOOSE Analog Input 5 Default Value	1000.000
IEC61850 GOOSE Analog Input 5 Mode	Default Value
IEC61850 GOOSE Analog Input 5 Units	
IEC61850 GOOSE Analog Input 5 PU Base	1.000
IEC61850 GOOSE Analog Input 6 Default Value	1000.000
IEC61850 GOOSE Analog Input 6 Mode	Default Value
IEC61850 GOOSE Analog Input 6 Units	
IEC61850 GOOSE Analog Input 6 PU Base	1.000
IEC61850 GOOSE Analog Input 7 Default Value	1000.000
IEC61850 GOOSE Analog Input 7 Mode	Default Value
IEC61850 GOOSE Analog Input 7 Units	
IEC61850 GOOSE Analog Input 7 PU Base	1.000
IEC61850 GOOSE Analog Input 8 Default Value	1000.000
IEC61850 GOOSE Analog Input 8 Mode	Default Value
IEC61850 GOOSE Analog Input 8 Units	
IEC61850 GOOSE Analog Input 8 PU Base	1.000
IEC61850 GOOSE Analog Input 9 Default Value	1000.000
IEC61850 GOOSE Analog Input 9 Mode	Default Value
IEC61850 GOOSE Analog Input 9 Units	
IEC61850 GOOSE Analog Input 9 PU Base	1.000
IEC61850 GOOSE Analog Input 10 Default Value	1000.000
IEC61850 GOOSE Analog Input 10 Mode	Default Value
IEC61850 GOOSE Analog Input 10 Units	

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

IEC61850 GOOSE Analog Input 10 PU Base	1.000
IEC61850 GOOSE Analog Input 11 Default Value	1000.000
IEC61850 GOOSE Analog Input 11 Mode	Default Value
IEC61850 GOOSE Analog Input 11 Units	
IEC61850 GOOSE Analog Input 11 PU Base	1.000
IEC61850 GOOSE Analog Input 12 Default Value	1000.000
IEC61850 GOOSE Analog Input 12 Mode	Default Value
IEC61850 GOOSE Analog Input 12 Units	
IEC61850 GOOSE Analog Input 12 PU Base	1.000
IEC61850 GOOSE Analog Input 13 Default Value	1000.000
IEC61850 GOOSE Analog Input 13 Mode	Default Value
IEC61850 GOOSE Analog Input 13 Units	
IEC61850 GOOSE Analog Input 13 PU Base	1.000
IEC61850 GOOSE Analog Input 14 Default Value	1000.000
IEC61850 GOOSE Analog Input 14 Mode	Default Value
IEC61850 GOOSE Analog Input 14 Units	
IEC61850 GOOSE Analog Input 14 PU Base	1.000
IEC61850 GOOSE Analog Input 15 Default Value	1000.000
IEC61850 GOOSE Analog Input 15 Mode	Default Value
IEC61850 GOOSE Analog Input 15 Units	
IEC61850 GOOSE Analog Input 15 PU Base	1.000
IEC61850 GOOSE Analog Input 16 Default Value	1000.000
IEC61850 GOOSE Analog Input 16 Mode	Default Value
IEC61850 GOOSE Analog Input 16 Units	
IEC61850 GOOSE Analog Input 16 PU Base	1.000
IEC61850 GOOSE Analog Input 17 Default Value	1000.000
IEC61850 GOOSE Analog Input 17 Mode	Default Value
IEC61850 GOOSE Analog Input 17 Units	
IEC61850 GOOSE Analog Input 17 PU Base	1.000
IEC61850 GOOSE Analog Input 18 Default Value	1000.000
IEC61850 GOOSE Analog Input 18 Mode	Default Value
IEC61850 GOOSE Analog Input 18 Units	
IEC61850 GOOSE Analog Input 18 PU Base	1.000
IEC61850 GOOSE Analog Input 19 Default Value	1000.000
IEC61850 GOOSE Analog Input 19 Mode	Default Value
IEC61850 GOOSE Analog Input 19 Units	
IEC61850 GOOSE Analog Input 19 PU Base	1.000
IEC61850 GOOSE Analog Input 20 Default Value	1000.000
IEC61850 GOOSE Analog Input 20 Mode	Default Value
IEC61850 GOOSE Analog Input 20 Units	
IEC61850 GOOSE Analog Input 20 PU Base	1.000
IEC61850 GOOSE Analog Input 21 Default Value	1000.000
IEC61850 GOOSE Analog Input 21 Mode	Default Value
IEC61850 GOOSE Analog Input 21 Units	
IEC61850 GOOSE Analog Input 21 PU Base	1.000
IEC61850 GOOSE Analog Input 22 Default Value	1000.000
IEC61850 GOOSE Analog Input 22 Mode	Default Value
IEC61850 GOOSE Analog Input 22 Units	
IEC61850 GOOSE Analog Input 22 PU Base	1.000
IEC61850 GOOSE Analog Input 23 Default Value	1000.000
IEC61850 GOOSE Analog Input 23 Mode	Default Value
IEC61850 GOOSE Analog Input 23 Units	
IEC61850 GOOSE Analog Input 23 PU Base	1.000
IEC61850 GOOSE Analog Input 24 Default Value	1000.000
IEC61850 GOOSE Analog Input 24 Mode	Default Value
IEC61850 GOOSE Analog Input 24 Units	
IEC61850 GOOSE Analog Input 24 PU Base	1.000
IEC61850 GOOSE Analog Input 25 Default Value	1000.000
IEC61850 GOOSE Analog Input 25 Mode	Default Value
IEC61850 GOOSE Analog Input 25 Units	
IEC61850 GOOSE Analog Input 25 PU Base	1.000
IEC61850 GOOSE Analog Input 26 Default Value	1000.000
IEC61850 GOOSE Analog Input 26 Mode	Default Value
IEC61850 GOOSE Analog Input 26 Units	
IEC61850 GOOSE Analog Input 26 PU Base	1.000
IEC61850 GOOSE Analog Input 27 Default Value	1000.000
IEC61850 GOOSE Analog Input 27 Mode	Default Value
IEC61850 GOOSE Analog Input 27 Units	

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

IEC61850 GOOSE Analog Input 27 PU Base	1.000
IEC61850 GOOSE Analog Input 28 Default Value	1000.000
IEC61850 GOOSE Analog Input 28 Mode	Default Value
IEC61850 GOOSE Analog Input 28 Units	
IEC61850 GOOSE Analog Input 28 PU Base	1.000
IEC61850 GOOSE Analog Input 29 Default Value	1000.000
IEC61850 GOOSE Analog Input 29 Mode	Default Value
IEC61850 GOOSE Analog Input 29 Units	
IEC61850 GOOSE Analog Input 29 PU Base	1.000
IEC61850 GOOSE Analog Input 30 Default Value	1000.000
IEC61850 GOOSE Analog Input 30 Mode	Default Value
IEC61850 GOOSE Analog Input 30 Units	
IEC61850 GOOSE Analog Input 30 PU Base	1.000
IEC61850 GOOSE Analog Input 31 Default Value	1000.000
IEC61850 GOOSE Analog Input 31 Mode	Default Value
IEC61850 GOOSE Analog Input 31 Units	
IEC61850 GOOSE Analog Input 31 PU Base	1.000
IEC61850 GOOSE Analog Input 32 Default Value	1000.000
IEC61850 GOOSE Analog Input 32 Mode	Default Value
IEC61850 GOOSE Analog Input 32 Units	
IEC61850 GOOSE Analog Input 32 PU Base	1.000

IEC 61850 GOOSE UINTEGERS INPUTS

IEC61850 GOOSE UInteger Input 1 Default Value	1000
IEC61850 GOOSE UInteger Input 1 Mode	Default Value
IEC61850 GOOSE UInteger Input 2 Default Value	1000
IEC61850 GOOSE UInteger Input 2 Mode	Default Value
IEC61850 GOOSE UInteger Input 3 Default Value	1000
IEC61850 GOOSE UInteger Input 3 Mode	Default Value
IEC61850 GOOSE UInteger Input 4 Default Value	1000
IEC61850 GOOSE UInteger Input 4 Mode	Default Value
IEC61850 GOOSE UInteger Input 5 Default Value	1000
IEC61850 GOOSE UInteger Input 5 Mode	Default Value
IEC61850 GOOSE UInteger Input 6 Default Value	1000
IEC61850 GOOSE UInteger Input 6 Mode	Default Value
IEC61850 GOOSE UInteger Input 7 Default Value	1000
IEC61850 GOOSE UInteger Input 7 Mode	Default Value
IEC61850 GOOSE UInteger Input 8 Default Value	1000
IEC61850 GOOSE UInteger Input 8 Mode	Default Value
IEC61850 GOOSE UInteger Input 9 Default Value	1000
IEC61850 GOOSE UInteger Input 9 Mode	Default Value
IEC61850 GOOSE UInteger Input 10 Default Value	1000
IEC61850 GOOSE UInteger Input 10 Mode	Default Value
IEC61850 GOOSE UInteger Input 11 Default Value	1000
IEC61850 GOOSE UInteger Input 11 Mode	Default Value
IEC61850 GOOSE UInteger Input 12 Default Value	1000
IEC61850 GOOSE UInteger Input 12 Mode	Default Value
IEC61850 GOOSE UInteger Input 13 Default Value	1000
IEC61850 GOOSE UInteger Input 13 Mode	Default Value
IEC61850 GOOSE UInteger Input 14 Default Value	1000
IEC61850 GOOSE UInteger Input 14 Mode	Default Value
IEC61850 GOOSE UInteger Input 15 Default Value	1000
IEC61850 GOOSE UInteger Input 15 Mode	Default Value
IEC61850 GOOSE UInteger Input 16 Default Value	1000
IEC61850 GOOSE UInteger Input 16 Mode	Default Value

STATUS

CONTACT INPUTS

H7a	52B3 AB
Status	Off
H7c	Cont Ip 2
Status	Off
H8a	Cont Ip 3
Status	Off
H8c	52B3 CE
Status	On
M7a	RX 85A
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT INPUTS (continued from last page)

M7c	RX 85C
Status	Off
M8a	GRP AJUSTE 1
Status	On
M8c	GRP AJUSTE 2
Status	Off
P7a	P.EXT.50BF-A
Status	Off
P7c	P.EXT.50BF-B
Status	Off
P8a	P.EXT.50BF-C
Status	Off
P8c	RX TRIP REM
Status	Off
U7a	S79 S1 ON
Status	Off
U7c	S79 S2 ON
Status	On
U8a	Cont Ip 15
Status	Off
U8c	Cont Ip 16
Status	Off
W1a	CTRL HAB 79
Status	Off
W1c	CTRL DES 79
Status	On
W2a	52B3 CE MAN
Status	Off
W2c	OP 21S1 Z1
Status	Off
W3a	OP 21S1 Z2
Status	Off
W3c	OP 21S1 Z3
Status	Off
W4a	OP 21S1 Z4
Status	Off
W4c	Cont Ip 24
Status	Off
W5a	P.EXT. 79 S1
Status	Off
W5c	Cont Ip 26
Status	Off
W6a	OP 79 SIST.1
Status	Off
W6c	21S1 FALLA
Status	Off
W7a	Cont Ip 29
Status	Off
W7c	FA T/P S2
Status	Off
W8a	BP CONECTADO
Status	On
W8c	79 S1 HABIL
Status	Off

VIRTUAL INPUTS

VI 1	Virt Ip 1
Status	Off
VI 2	Virt Ip 2
Status	Off
VI 3	Virt Ip 3
Status	Off
VI 4	Virt Ip 4
Status	Off
VI 5	Virt Ip 5
Status	Off
VI 6	Virt Ip 6
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

VI 7	Virt Ip 7
Status	Off
VI 8	Virt Ip 8
Status	Off
VI 9	Virt Ip 9
Status	Off
VI 10	Virt Ip 10
Status	Off
VI 11	Virt Ip 11
Status	Off
VI 12	Virt Ip 12
Status	Off
VI 13	Virt Ip 13
Status	Off
VI 14	Virt Ip 14
Status	Off
VI 15	Virt Ip 15
Status	Off
VI 16	Virt Ip 16
Status	Off
VI 17	Virt Ip 17
Status	Off
VI 18	Virt Ip 18
Status	Off
VI 19	Virt Ip 19
Status	Off
VI 20	Virt Ip 20
Status	Off
VI 21	Virt Ip 21
Status	Off
VI 22	Virt Ip 22
Status	Off
VI 23	Virt Ip 23
Status	Off
VI 24	Virt Ip 24
Status	Off
VI 25	Virt Ip 25
Status	Off
VI 26	Virt Ip 26
Status	Off
VI 27	Virt Ip 27
Status	Off
VI 28	Virt Ip 28
Status	Off
VI 29	Virt Ip 29
Status	Off
VI 30	Virt Ip 30
Status	Off
VI 31	Virt Ip 31
Status	Off
VI 32	Virt Ip 32
Status	Off
VI 33	Virt Ip 33
Status	Off
VI 34	Virt Ip 34
Status	Off
VI 35	Virt Ip 35
Status	Off
VI 36	Virt Ip 36
Status	Off
VI 37	Virt Ip 37
Status	Off
VI 38	Virt Ip 38
Status	Off
VI 39	Virt Ip 39
Status	Off
VI 40	Virt Ip 40
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

VI 41	Virt Ip 41
Status	Off
VI 42	Virt Ip 42
Status	Off
VI 43	Virt Ip 43
Status	Off
VI 44	Virt Ip 44
Status	Off
VI 45	Virt Ip 45
Status	Off
VI 46	Virt Ip 46
Status	Off
VI 47	Virt Ip 47
Status	Off
VI 48	Virt Ip 48
Status	Off
VI 49	Virt Ip 49
Status	Off
VI 50	Virt Ip 50
Status	Off
VI 51	Virt Ip 51
Status	Off
VI 52	Virt Ip 52
Status	Off
VI 53	Virt Ip 53
Status	Off
VI 54	Virt Ip 54
Status	Off
VI 55	Virt Ip 55
Status	Off
VI 56	Virt Ip 56
Status	Off
VI 57	Virt Ip 57
Status	Off
VI 58	Virt Ip 58
Status	Off
VI 59	Virt Ip 59
Status	Off
VI 60	Virt Ip 60
Status	Off
VI 61	Virt Ip 61
Status	Off
VI 62	Virt Ip 62
Status	Off
VI 63	Virt Ip 63
Status	Off
VI 64	RST COUNTERS
Status	Off

REMOTE INPUTS

Remote Input 1	52B3-AL-SF6
Status	Off
Remote Input 2	52B3-RS-DES
Status	Off
Remote Input 3	52B3-B1-VCC
Status	Off
Remote Input 4	52B3-B2-VCC
Status	Off
Remote Input 5	86B3 OP
Status	Off
Remote Input 6	Rx TRIP B3
Status	Off
Remote Input 7	TRIP 21S1
Status	Off
Remote Input 8	Rem Ip 8
Status	Off
Remote Input 9	Rem Ip 9
Status	Off

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**REMOTE INPUTS (continued from last page)

Remote Input 10	Rem Ip 10
Status	Off
Remote Input 11	Rem Ip 11
Status	Off
Remote Input 12	Rem Ip 12
Status	Off
Remote Input 13	Rem Ip 13
Status	Off
Remote Input 14	Rem Ip 14
Status	Off
Remote Input 15	Rem Ip 15
Status	Off
Remote Input 16	Rem Ip 16
Status	Off
Remote Input 17	Rem Ip 17
Status	Off
Remote Input 18	Rem Ip 18
Status	Off
Remote Input 19	Rem Ip 19
Status	Off
Remote Input 20	Rem Ip 20
Status	Off
Remote Input 21	Rem Ip 21
Status	Off
Remote Input 22	Rem Ip 22
Status	Off
Remote Input 23	Rem Ip 23
Status	Off
Remote Input 24	Rem Ip 24
Status	Off
Remote Input 25	Rem Ip 25
Status	Off
Remote Input 26	Rem Ip 26
Status	Off
Remote Input 27	Rem Ip 27
Status	Off
Remote Input 28	Rem Ip 28
Status	Off
Remote Input 29	Rem Ip 29
Status	Off
Remote Input 30	Rem Ip 30
Status	Off
Remote Input 31	Rem Ip 31
Status	Off
Remote Input 32	Rem Ip 32
Status	Off

REMOTE DPS INPUTS

Remote DPS Input 1 Name	RemDPS Ip 1
Remote DPS Input 1 State	BAD
Remote DPS Input 2 Name	RemDPS Ip 2
Remote DPS Input 2 State	BAD
Remote DPS Input 3 Name	RemDPS Ip 3
Remote DPS Input 3 State	BAD
Remote DPS Input 4 Name	RemDPS Ip 4
Remote DPS Input 4 State	BAD
Remote DPS Input 5 Name	RemDPS Ip 5
Remote DPS Input 5 State	BAD

CONTACT OUTPUTS

H1	TRIP1 52B3-A
Status	Off (VOff, IOff)
H2	TRIP1 52B3-B
Status	Off (VOff, IOff)
H3	TRIP1 52B3-C
Status	Off (VOff, IOff)
H4	TRIP2 52B3-A
Status	Off (VOff, IOff)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

H5	TRIP2 52B3-B
Status	Off (VOff, IOff)
H6	TRIP2 52B3-C
Status	Off (VOff, IOff)
M1	TX 85D-A
Status	Off (VOff, IOff)
M2	TX 85D-B
Status	Off (VOff, IOff)
M3	TX 85D-C
Status	Off (VOff, IOff)
M4	TX 85A/C
Status	Off (VOff, IOff)
M5	79 21S2 DESH
Status	On (VOff, IOff)
M6	RESET 21S1
Status	Off (VOff, IOff)
P1	CE 52B3 x79
Status	Off (VOff, IOff)
P2	TX 79DD
Status	Off (VOff, IOff)
P3	OP REC 21S2
Status	Off (VOff, IOff)
P4	OP 50BF
Status	Off (VOff, IOff)
P5	AL OP 50BF
Status	Off (VOff, IOff)
P6	PART 79 > S1
Status	Off (VOff, IOff)
U1	Cont Op 19
Status	Off (VOff, IOff)
U2	AL OP PROT
Status	Off (VOff, IOff)
U3	AL OP RECONX
Status	Off (VOff, IOff)
U4	Cont Op 22
Status	Off (VOff, IOff)
U5	79 21S2 HAB
Status	Off (VOff, IOff)
U6	AL OP PROT
Status	Off (VOff, IOff)

VIRTUAL OUTPUTS

VO 1	PART 50BF-A
Status	Off
VO 2	PART 50BF-B
Status	Off
VO 3	PART 50BF-C
Status	Off
VO 4	PART 50BF 3P
Status	Off
VO 5	PART 79 3P
Status	Off
VO 6	BLOCK 79
Status	Off
VO 7	CE MAN 52B3
Status	Off
VO 8	Virt Op 8
Status	Off
VO 9	TRIP PROT.
Status	Off
VO 10	CLOSE PROT.
Status	Off
VO 11	TDD PROT.
Status	Off
VO 12	PKP PROT.
Status	Off
VO 13	OSCILOGRAFIA
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 14	SCA OP 21 Z1
Status	Off
VO 15	SCA OP 21 Z2
Status	Off
VO 16	SCA OP 21 Z3
Status	Off
VO 17	SCA OP 21 Z4
Status	Off
VO 18	SCA OP 21 Z5
Status	Off
VO 19	SCA OP 51P
Status	Off
VO 20	SCA OP 51N
Status	Off
VO 21	SCA OP LINE
Status	Off
VO 22	BLOCK SOTF
Status	On
VO 23	HAB 79 VO23
Status	Off
VO 24	DES 79 VO24
Status	On
VO 25	DES/HAB 79
Status	On
VO 26	RST DEVICE
Status	Off
VO 27	TX 85A/C
Status	Off
VO 28	79 RIP
Status	Off
VO 29	Virt Op 29
Status	Off
VO 30	TRIP FAULT R
Status	Off
VO 31	PEXT 79S1 OK
Status	Off
VO 32	Virt Op 32
Status	Off
VO 33	SCA OP 50BF
Status	Off
VO 34	SCA OP 79 S2
Status	Off
VO 35	SCA OP 79 B3
Status	Off
VO 36	SCA FAULT R
Status	Off
VO 37	SCA ANY B3
Status	Off
VO 38	SCA OP 46
Status	Off
VO 39	SCA CUT LINE
Status	Off
VO 40	SC AP B3 Rx
Status	Off
VO 41	OP 21S1 Z1
Status	Off
VO 42	OP 21S1 Z2
Status	Off
VO 43	OP 21S1 Z3
Status	Off
VO 44	OP 21S1 Z4
Status	Off
VO 45	OP 79 SIST.1
Status	Off
VO 46	PH DIR1 BLKA
Status	Off
VO 47	PH DIR1 BLKB
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 48	PH DIR1 BLKC
Status	Off
VO 49	Virt Op 49
Status	Off
VO 50	Virt Op 50
Status	Off
VO 51	Virt Op 51
Status	Off
VO 52	Virt Op 52
Status	Off
VO 53	Virt Op 53
Status	Off
VO 54	Virt Op 54
Status	Off
VO 55	Virt Op 55
Status	Off
VO 56	Virt Op 56
Status	Off
VO 57	Virt Op 57
Status	Off
VO 58	Virt Op 58
Status	Off
VO 59	Virt Op 59
Status	Off
VO 60	Virt Op 60
Status	Off
VO 61	Virt Op 61
Status	Off
VO 62	Virt Op 62
Status	Off
VO 63	Virt Op 63
Status	Off
VO 64	Osc Trigger
Status	Off
VO 65	Virt Op 65
Status	Off
VO 66	Virt Op 66
Status	Off
VO 67	Virt Op 67
Status	Off
VO 68	Virt Op 68
Status	Off
VO 69	Virt Op 69
Status	Off
VO 70	Virt Op 70
Status	Off
VO 71	Virt Op 71
Status	Off
VO 72	Virt Op 72
Status	Off
VO 73	Virt Op 73
Status	Off
VO 74	Virt Op 74
Status	Off
VO 75	Virt Op 75
Status	Off
VO 76	Virt Op 76
Status	Off
VO 77	Virt Op 77
Status	Off
VO 78	Virt Op 78
Status	Off
VO 79	Virt Op 79
Status	Off
VO 80	Virt Op 80
Status	Off
VO 81	Virt Op 81
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 82	Virt Op 82
Status	Off
VO 83	Virt Op 83
Status	Off
VO 84	Virt Op 84
Status	Off
VO 85	Virt Op 85
Status	Off
VO 86	Virt Op 86
Status	Off
VO 87	Virt Op 87
Status	Off
VO 88	Virt Op 88
Status	Off
VO 89	Virt Op 89
Status	Off
VO 90	Virt Op 90
Status	Off
VO 91	Virt Op 91
Status	Off
VO 92	Virt Op 92
Status	Off
VO 93	Virt Op 93
Status	Off
VO 94	Virt Op 94
Status	Off
VO 95	Virt Op 95
Status	Off
VO 96	Virt Op 96
Status	Off

AUTORECLOSE

AUTORECLOSE: Count	0

REMOTE DEVICES STATUS

All Remote Devices Online	Yes
All Remote Devices Online	Yes
Remote Device 1	EML-PAR-87B-B30
Status 1	Online
Remote Device 2	PAR1_C30_3
Status 2	Online
Remote Device 3	PAR1_C30_4
Status 3	Online
Remote Device 4	EML-PAR-B3-21S1-D90
Status 4	Online
Remote Device 5	Remote Device 5
Status 5	Offline
Remote Device 6	Remote Device 6
Status 6	Offline
Remote Device 7	Remote Device 7
Status 7	Offline
Remote Device 8	Remote Device 8
Status 8	Offline
Remote Device 9	Remote Device 9
Status 9	Offline
Remote Device 10	Remote Device 10
Status 10	Offline
Remote Device 11	Remote Device 11
Status 11	Offline
Remote Device 12	Remote Device 12
Status 12	Offline
Remote Device 13	Remote Device 13
Status 13	Offline
Remote Device 14	Remote Device 14
Status 14	Offline
Remote Device 15	Remote Device 15
Status 15	Offline
Remote Device 16	Remote Device 16

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE DEVICES STATUS (continued from last page)

Status 16 Offline

REMOTE DEVICES STATISTICS

NAME: Remote Device 1	EML-PAR-87B-B30
STNUM: Remote Device 1	2
SQNUM: Remote Device 1	193486784
NAME: Remote Device 2	PARI_C30_3
STNUM: Remote Device 2	43
SQNUM: Remote Device 2	1189673
NAME: Remote Device 3	PARI_C30_4
STNUM: Remote Device 3	1
SQNUM: Remote Device 3	3224760
NAME: Remote Device 4	EML-PAR-B3-21S1-D90
STNUM: Remote Device 4	23
SQNUM: Remote Device 4	83864
NAME: Remote Device 5	Remote Device 5
STNUM: Remote Device 5	0
SQNUM: Remote Device 5	0
NAME: Remote Device 6	Remote Device 6
STNUM: Remote Device 6	0
SQNUM: Remote Device 6	0
NAME: Remote Device 7	Remote Device 7
STNUM: Remote Device 7	0
SQNUM: Remote Device 7	0
NAME: Remote Device 8	Remote Device 8
STNUM: Remote Device 8	0
SQNUM: Remote Device 8	0
NAME: Remote Device 9	Remote Device 9
STNUM: Remote Device 9	0
SQNUM: Remote Device 9	0
NAME: Remote Device 10	Remote Device 10
STNUM: Remote Device 10	0
SQNUM: Remote Device 10	0
NAME: Remote Device 11	Remote Device 11
STNUM: Remote Device 11	0
SQNUM: Remote Device 11	0
NAME: Remote Device 12	Remote Device 12
STNUM: Remote Device 12	0
SQNUM: Remote Device 12	0
NAME: Remote Device 13	Remote Device 13
STNUM: Remote Device 13	0
SQNUM: Remote Device 13	0
NAME: Remote Device 14	Remote Device 14
STNUM: Remote Device 14	0
SQNUM: Remote Device 14	0
NAME: Remote Device 15	Remote Device 15
STNUM: Remote Device 15	0
SQNUM: Remote Device 15	0
NAME: Remote Device 16	Remote Device 16
STNUM: Remote Device 16	0
SQNUM: Remote Device 16	0

DIGITAL COUNTERS

NAME: Digital Counter 1	OP. INTER.
ACCUM: Digital Counter 1	170
FROZEN: Digital Counter 1	170
TIME STAMP: 05/19/2019 23:39:09.816751	05/19/2019 23:39:09.816751
NAME: Digital Counter 2	OP. PROT.
ACCUM: Digital Counter 2	43
FROZEN: Digital Counter 2	43
TIME STAMP: 04/22/2019 14:20:05.577438	04/22/2019 14:20:05.577438
NAME: Digital Counter 3	Counter 3
ACCUM: Digital Counter 3	1431662457
FROZEN: Digital Counter 3	-772517419
TIME STAMP: 05/26/2032 22:23:17.1447418693	05/26/2032 22:23:17.1447418693
NAME: Digital Counter 4	Counter 4
ACCUM: Digital Counter 4	-116318892
FROZEN: Digital Counter 4	-235317795

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL COUNTERS (continued from last page)

TIME STAMP: .1708218733	.1708218733
NAME: Digital Counter 5	Counter 5
ACCUM: Digital Counter 5	-61915068
FROZEN: Digital Counter 5	393487453
TIME STAMP: 03/04/2015 18:52:11.1331254480	03/04/2015 18:52:11.1331254480
NAME: Digital Counter 6	Counter 6
ACCUM: Digital Counter 6	1565856853
FROZEN: Digital Counter 6	1461147509
TIME STAMP: .1953828214	.1953828214
NAME: Digital Counter 7	Counter 7
ACCUM: Digital Counter 7	373773652
FROZEN: Digital Counter 7	365261925
TIME STAMP: .3544800829	.3544800829
NAME: Digital Counter 8	Counter 8
ACCUM: Digital Counter 8	1162173877
FROZEN: Digital Counter 8	-1781181072
TIME STAMP: 02/11/2011 10:56:52.1475212629	02/11/2011 10:56:52.1475212629

SELECTOR SWITCHES

Selector 1 Position	0 / 7
Selector 2 Position	0 / 7

FLEX STATES

Parameter 1	TRIPBUS 1 OP
Bits	Off
Parameter 2	TRIPBUS 2 OP
Bits	Off
Parameter 3	TRIP 1-POLE
Bits	Off
Parameter 4	TRIP 3-POLE
Bits	Off
Parameter 5	TRIP PHASE A
Bits	Off
Parameter 6	TRIP PHASE B
Bits	Off
Parameter 7	TRIP PHASE C
Bits	Off
Parameter 8	BREAKER 1 Phase A CLOSED
Bits	On
Parameter 9	BREAKER 1 Phase B CLOSED
Bits	On
Parameter 10	BREAKER 1 Phase C CLOSED
Bits	On
Parameter 11	OPEN POLE BKR A OP
Bits	Off
Parameter 12	OPEN POLE BKR B OP
Bits	Off
Parameter 13	OPEN POLE BKR C OP
Bits	Off
Parameter 14	52B3 AB On(H7a)
Bits	Off
Parameter 15	Cont Ip 2 On(H7c)
Bits	Off
Parameter 16	Cont Ip 3 On(H8a)
Bits	Off
Parameter 17	52B3 CE On(H8c)
Bits	On
Parameter 18	BREAKER 1 OPEN
Bits	Off
Parameter 19	BREAKER 1 CLOSED
Bits	On
Parameter 20	AR ENABLED
Bits	Off
Parameter 21	AR DISABLED
Bits	On
Parameter 22	AR 1-P RIP
Bits	Off
Parameter 23	AR LO

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 24	AR CLOSE BKR 1
Bits	Off
Parameter 25	AR FORCE 3-P TRIP
Bits	On
Parameter 26	AR INCOMPLETE SEQ
Bits	Off
Parameter 27	S79 S2 ON On(U7c)
Bits	On
Parameter 28	S79 S1 ON On(U7a)
Bits	Off
Parameter 29	CTRL HAB 79 On(W1a)
Bits	Off
Parameter 30	CTRL DES 79 On(W1c)
Bits	On
Parameter 31	HAB 79 VO23 On (VO23)
Bits	Off
Parameter 32	DES 79 VO24 On (VO24)
Bits	On
Parameter 33	DES/HAB 79 On (VO25)
Bits	On
Parameter 34	BLOCK 79 On (VO6)
Bits	Off
Parameter 35	LATCH 1 ON
Bits	On
Parameter 36	LATCH 1 OFF
Bits	Off
Parameter 37	OFF
Bits	Off
Parameter 38	OFF
Bits	Off
Parameter 39	OFF
Bits	Off
Parameter 40	OFF
Bits	Off
Parameter 41	OFF
Bits	Off
Parameter 42	OFF
Bits	Off
Parameter 43	OFF
Bits	Off
Parameter 44	OFF
Bits	Off
Parameter 45	OFF
Bits	Off
Parameter 46	OFF
Bits	Off
Parameter 47	OFF
Bits	Off
Parameter 48	OFF
Bits	Off
Parameter 49	OFF
Bits	Off
Parameter 50	OFF
Bits	Off
Parameter 51	OFF
Bits	Off
Parameter 52	OFF
Bits	Off
Parameter 53	OFF
Bits	Off
Parameter 54	OFF
Bits	Off
Parameter 55	OFF
Bits	Off
Parameter 56	OFF
Bits	Off
Parameter 57	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 58	OFF
Bits	Off
Parameter 59	OFF
Bits	Off
Parameter 60	OFF
Bits	Off
Parameter 61	OFF
Bits	Off
Parameter 62	OFF
Bits	Off
Parameter 63	OFF
Bits	Off
Parameter 64	OFF
Bits	Off
Parameter 65	OFF
Bits	Off
Parameter 66	OFF
Bits	Off
Parameter 67	OFF
Bits	Off
Parameter 68	OFF
Bits	Off
Parameter 69	OFF
Bits	Off
Parameter 70	OFF
Bits	Off
Parameter 71	OFF
Bits	Off
Parameter 72	OFF
Bits	Off
Parameter 73	OFF
Bits	Off
Parameter 74	OFF
Bits	Off
Parameter 75	OFF
Bits	Off
Parameter 76	OFF
Bits	Off
Parameter 77	OFF
Bits	Off
Parameter 78	OFF
Bits	Off
Parameter 79	OFF
Bits	Off
Parameter 80	OFF
Bits	Off
Parameter 81	OFF
Bits	Off
Parameter 82	OFF
Bits	Off
Parameter 83	OFF
Bits	Off
Parameter 84	OFF
Bits	Off
Parameter 85	OFF
Bits	Off
Parameter 86	OFF
Bits	Off
Parameter 87	OFF
Bits	Off
Parameter 88	OFF
Bits	Off
Parameter 89	OFF
Bits	Off
Parameter 90	OFF
Bits	Off
Parameter 91	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 92	OFF
Bits	Off
Parameter 93	OFF
Bits	Off
Parameter 94	OFF
Bits	Off
Parameter 95	OFF
Bits	Off
Parameter 96	OFF
Bits	Off
Parameter 97	OFF
Bits	Off
Parameter 98	OFF
Bits	Off
Parameter 99	OFF
Bits	Off
Parameter 100	OFF
Bits	Off
Parameter 101	OFF
Bits	Off
Parameter 102	OFF
Bits	Off
Parameter 103	OFF
Bits	Off
Parameter 104	OFF
Bits	Off
Parameter 105	OFF
Bits	Off
Parameter 106	OFF
Bits	Off
Parameter 107	OFF
Bits	Off
Parameter 108	OFF
Bits	Off
Parameter 109	OFF
Bits	Off
Parameter 110	OFF
Bits	Off
Parameter 111	OFF
Bits	Off
Parameter 112	OFF
Bits	Off
Parameter 113	OFF
Bits	Off
Parameter 114	OFF
Bits	Off
Parameter 115	OFF
Bits	Off
Parameter 116	OFF
Bits	Off
Parameter 117	OFF
Bits	Off
Parameter 118	OFF
Bits	Off
Parameter 119	OFF
Bits	Off
Parameter 120	OFF
Bits	Off
Parameter 121	OFF
Bits	Off
Parameter 122	OFF
Bits	Off
Parameter 123	OFF
Bits	Off
Parameter 124	OFF
Bits	Off
Parameter 125	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 126	OFF
Bits	Off
Parameter 127	OFF
Bits	Off
Parameter 128	OFF
Bits	Off
Parameter 129	OFF
Bits	Off
Parameter 130	OFF
Bits	Off
Parameter 131	OFF
Bits	Off
Parameter 132	OFF
Bits	Off
Parameter 133	OFF
Bits	Off
Parameter 134	OFF
Bits	Off
Parameter 135	OFF
Bits	Off
Parameter 136	OFF
Bits	Off
Parameter 137	OFF
Bits	Off
Parameter 138	OFF
Bits	Off
Parameter 139	OFF
Bits	Off
Parameter 140	OFF
Bits	Off
Parameter 141	OFF
Bits	Off
Parameter 142	OFF
Bits	Off
Parameter 143	OFF
Bits	Off
Parameter 144	OFF
Bits	Off
Parameter 145	OFF
Bits	Off
Parameter 146	OFF
Bits	Off
Parameter 147	OFF
Bits	Off
Parameter 148	OFF
Bits	Off
Parameter 149	OFF
Bits	Off
Parameter 150	OFF
Bits	Off
Parameter 151	OFF
Bits	Off
Parameter 152	OFF
Bits	Off
Parameter 153	OFF
Bits	Off
Parameter 154	OFF
Bits	Off
Parameter 155	OFF
Bits	Off
Parameter 156	OFF
Bits	Off
Parameter 157	OFF
Bits	Off
Parameter 158	OFF
Bits	Off
Parameter 159	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 160	OFF
Bits	Off
Parameter 161	OFF
Bits	Off
Parameter 162	OFF
Bits	Off
Parameter 163	OFF
Bits	Off
Parameter 164	OFF
Bits	Off
Parameter 165	OFF
Bits	Off
Parameter 166	OFF
Bits	Off
Parameter 167	OFF
Bits	Off
Parameter 168	OFF
Bits	Off
Parameter 169	OFF
Bits	Off
Parameter 170	OFF
Bits	Off
Parameter 171	OFF
Bits	Off
Parameter 172	OFF
Bits	Off
Parameter 173	OFF
Bits	Off
Parameter 174	OFF
Bits	Off
Parameter 175	OFF
Bits	Off
Parameter 176	OFF
Bits	Off
Parameter 177	OFF
Bits	Off
Parameter 178	OFF
Bits	Off
Parameter 179	OFF
Bits	Off
Parameter 180	OFF
Bits	Off
Parameter 181	OFF
Bits	Off
Parameter 182	OFF
Bits	Off
Parameter 183	OFF
Bits	Off
Parameter 184	OFF
Bits	Off
Parameter 185	OFF
Bits	Off
Parameter 186	OFF
Bits	Off
Parameter 187	OFF
Bits	Off
Parameter 188	OFF
Bits	Off
Parameter 189	OFF
Bits	Off
Parameter 190	OFF
Bits	Off
Parameter 191	OFF
Bits	Off
Parameter 192	OFF
Bits	Off
Parameter 193	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 194	OFF
Bits	Off
Parameter 195	OFF
Bits	Off
Parameter 196	OFF
Bits	Off
Parameter 197	OFF
Bits	Off
Parameter 198	OFF
Bits	Off
Parameter 199	OFF
Bits	Off
Parameter 200	OFF
Bits	Off
Parameter 201	OFF
Bits	Off
Parameter 202	OFF
Bits	Off
Parameter 203	OFF
Bits	Off
Parameter 204	OFF
Bits	Off
Parameter 205	OFF
Bits	Off
Parameter 206	OFF
Bits	Off
Parameter 207	OFF
Bits	Off
Parameter 208	OFF
Bits	Off
Parameter 209	OFF
Bits	Off
Parameter 210	OFF
Bits	Off
Parameter 211	OFF
Bits	Off
Parameter 212	OFF
Bits	Off
Parameter 213	OFF
Bits	Off
Parameter 214	OFF
Bits	Off
Parameter 215	OFF
Bits	Off
Parameter 216	OFF
Bits	Off
Parameter 217	OFF
Bits	Off
Parameter 218	OFF
Bits	Off
Parameter 219	OFF
Bits	Off
Parameter 220	OFF
Bits	Off
Parameter 221	OFF
Bits	Off
Parameter 222	OFF
Bits	Off
Parameter 223	OFF
Bits	Off
Parameter 224	OFF
Bits	Off
Parameter 225	OFF
Bits	Off
Parameter 226	OFF
Bits	Off
Parameter 227	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 228	OFF
Bits	Off
Parameter 229	OFF
Bits	Off
Parameter 230	OFF
Bits	Off
Parameter 231	OFF
Bits	Off
Parameter 232	OFF
Bits	Off
Parameter 233	OFF
Bits	Off
Parameter 234	OFF
Bits	Off
Parameter 235	OFF
Bits	Off
Parameter 236	OFF
Bits	Off
Parameter 237	OFF
Bits	Off
Parameter 238	OFF
Bits	Off
Parameter 239	OFF
Bits	Off
Parameter 240	OFF
Bits	Off
Parameter 241	OFF
Bits	Off
Parameter 242	OFF
Bits	Off
Parameter 243	OFF
Bits	Off
Parameter 244	OFF
Bits	Off
Parameter 245	OFF
Bits	Off
Parameter 246	OFF
Bits	Off
Parameter 247	OFF
Bits	Off
Parameter 248	OFF
Bits	Off
Parameter 249	OFF
Bits	Off
Parameter 250	OFF
Bits	Off
Parameter 251	OFF
Bits	Off
Parameter 252	OFF
Bits	Off
Parameter 253	OFF
Bits	Off
Parameter 254	OFF
Bits	Off
Parameter 255	OFF
Bits	Off
Parameter 256	OFF
Bits	Off

ETHERNET

Ethernet Primary Link Status	OK
Ethernet Secondary Link Status	n/a

GOOSE UINTEGER INPUTS

IEC61850 GOOSE UInteger Input 1	0
IEC61850 GOOSE UInteger Input 2	0
IEC61850 GOOSE UInteger Input 3	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GOOSE UINTEGER INPUTS (continued from last page)

IEC61850 GOOSE UInteger Input 4	0
IEC61850 GOOSE UInteger Input 5	0
IEC61850 GOOSE UInteger Input 6	0
IEC61850 GOOSE UInteger Input 7	0
IEC61850 GOOSE UInteger Input 8	0
IEC61850 GOOSE UInteger Input 9	0
IEC61850 GOOSE UInteger Input 10	0
IEC61850 GOOSE UInteger Input 11	0
IEC61850 GOOSE UInteger Input 12	0
IEC61850 GOOSE UInteger Input 13	0
IEC61850 GOOSE UInteger Input 14	0
IEC61850 GOOSE UInteger Input 15	0
IEC61850 GOOSE UInteger Input 16	0

METERING

SOURCE

PHASE CURRENT

SOURCE 1: Name	52B3
SOURCE 1: RMS Ia	69.760 A
SOURCE 1: RMS Ib	69.774 A
SOURCE 1: RMS Ic	71.205 A
SOURCE 1: RMS In	0.000 A
SOURCE 1: Phasor Ia	69.670 A -13.6 deg
SOURCE 1: Phasor Ib	69.806 A -131.6 deg
SOURCE 1: Phasor Ic	71.147 A -253.3 deg
SOURCE 1: Phasor In	0.000 A 0.0 deg
SOURCE 1: Zero Seq I0	0.000 A 0.0 deg
SOURCE 1: Positive Seq I1	70.198 A -12.8 deg
SOURCE 1: Negative Seq I2	0.000 A 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Ia	0.000 A
SOURCE 2: RMS Ib	0.000 A
SOURCE 2: RMS Ic	0.000 A
SOURCE 2: RMS In	0.000 A
SOURCE 2: Phasor Ia	0.000 A 0.0 deg
SOURCE 2: Phasor Ib	0.000 A 0.0 deg
SOURCE 2: Phasor Ic	0.000 A 0.0 deg
SOURCE 2: Phasor In	0.000 A 0.0 deg
SOURCE 2: Zero Seq I0	0.000 A 0.0 deg
SOURCE 2: Positive Seq I1	0.000 A 0.0 deg
SOURCE 2: Negative Seq I2	0.000 A 0.0 deg

GROUND CURRENT

SOURCE 1: Name	52B3
SOURCE 1: RMS Ig	0.000 A
SOURCE 1: Phasor Ig	0.000 A 0.0 deg
SOURCE 1: Phasor Igd	0.000 A 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Ig	0.000 A
SOURCE 2: Phasor Ig	0.000 A 0.0 deg
SOURCE 2: Phasor Igd	0.000 A 0.0 deg

PHASE VOLTAGE

SOURCE 1: Name	52B3
SOURCE 1: RMS Vag	39.059 kV
SOURCE 1: RMS Vbg	39.010 kV
SOURCE 1: RMS Vcg	38.897 kV
SOURCE 1: Phasor Vag	39.099 kV 0.0 deg
SOURCE 1: Phasor Vbg	39.021 kV -120.3 deg
SOURCE 1: Phasor Vcg	38.934 kV -240.1 deg
SOURCE 1: RMS Vab	67.664 kV
SOURCE 1: RMS Vbc	67.425 kV
SOURCE 1: RMS Vca	67.468 kV
SOURCE 1: Phasor Vab	67.704 kV -330.2 deg
SOURCE 1: Phasor Vbc	67.471 kV -90.2 deg
SOURCE 1: Phasor Vca	67.536 kV -210.0 deg
SOURCE 1: Zero Seq V0	0.000 V 0.0 deg
SOURCE 1: Positive Seq V1	39.011 kV -0.1 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE VOLTAGE (continued from last page)

SOURCE 1: Negative Seq V2	0.000 V 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Vag	0.000 V
SOURCE 2: RMS Vbg	0.000 V
SOURCE 2: RMS Vcg	0.000 V
SOURCE 2: Phasor Vag	0.000 V 0.0 deg
SOURCE 2: Phasor Vbg	0.000 V 0.0 deg
SOURCE 2: Phasor Vcg	0.000 V 0.0 deg
SOURCE 2: RMS Vab	0.000 V
SOURCE 2: RMS Vbc	0.000 V
SOURCE 2: RMS Vca	0.000 V
SOURCE 2: Phasor Vab	0.000 V 0.0 deg
SOURCE 2: Phasor Vbc	0.000 V 0.0 deg
SOURCE 2: Phasor Vca	0.000 V 0.0 deg
SOURCE 2: Zero Seq V0	0.000 V 0.0 deg
SOURCE 2: Positive Seq V1	0.000 V 0.0 deg
SOURCE 2: Negative Seq V2	0.000 V 0.0 deg

AUXILIARY VOLTAGE

SOURCE 1: Name	52B3
SOURCE 1: RMS Vx	0.000 V
SOURCE 1: Phasor Vx	0.000 V 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Vx	0.000 V
SOURCE 2: Phasor Vx	0.000 V 0.0 deg

POWER

SOURCE 1: Name	52B3
SOURCE 1: Three Phase Real Power	7.995 MW
SOURCE 1: Phase A Real Power	2.636 MW
SOURCE 1: Phase B Real Power	2.664 MW
SOURCE 1: Phase C Real Power	2.695 MW
SOURCE 1: Three Phase Reactive Power	1.833 Mvar
SOURCE 1: Phase A Reactive Power	648.892 kvar
SOURCE 1: Phase B Reactive Power	543.320 kvar
SOURCE 1: Phase C Reactive Power	641.259 kvar
SOURCE 1: Three Phase Apparent Power	8.203 MVA
SOURCE 1: Phase A Apparent Power	2.715 MVA
SOURCE 1: Phase B Apparent Power	2.719 MVA
SOURCE 1: Phase C Apparent Power	2.770 MVA
SOURCE 1: Three Phase Power Factor	0.974 Lag
SOURCE 1: Phase A Power Factor	0.970 Lag
SOURCE 1: Phase B Power Factor	0.979 Lag
SOURCE 1: Phase C Power Factor	0.972 Lag
SOURCE 2: Name	SYNC
SOURCE 2: Three Phase Real Power	0.000 W
SOURCE 2: Phase A Real Power	0.000 W
SOURCE 2: Phase B Real Power	0.000 W
SOURCE 2: Phase C Real Power	0.000 W
SOURCE 2: Three Phase Reactive Power	0.000 var
SOURCE 2: Phase A Reactive Power	0.000 var
SOURCE 2: Phase B Reactive Power	0.000 var
SOURCE 2: Phase C Reactive Power	0.000 var
SOURCE 2: Three Phase Apparent Power	0.000 VA
SOURCE 2: Phase A Apparent Power	0.000 VA
SOURCE 2: Phase B Apparent Power	0.000 VA
SOURCE 2: Phase C Apparent Power	0.000 VA
SOURCE 2: Three Phase Power Factor	0.000
SOURCE 2: Phase A Power Factor	0.000
SOURCE 2: Phase B Power Factor	0.000
SOURCE 2: Phase C Power Factor	0.000

ENERGY

SOURCE 1: Name	52B3
SOURCE 1: Positive Watthour	121.174 GWh
SOURCE 1: Negative Watthour	2.887 GWh
SOURCE 1: Positive varhour	37.623 Gvarh
SOURCE 1: Negative varhour	101.046 Mvarh

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

ENERGY (continued from last page)

SOURCE 2: Name	SYNC
SOURCE 2: Positive Watthour	0.000 Wh
SOURCE 2: Negative Watthour	0.000 Wh
SOURCE 2: Positive varhour	0.000 varh
SOURCE 2: Negative varhour	0.000 varh

FREQUENCY

SOURCE 1: Name	52B3
SOURCE 1: Frequency	49.848 Hz
SOURCE 2: Name	SYNC
SOURCE 2: Frequency	0.000 Hz

SYNCHROCHECK

SYNCHROCHECK 1: Delta Voltage	0 V
SYNCHROCHECK 1: Delta Phase	0.0 deg
SYNCHROCHECK 1: Delta Frequency	0.00 Hz
SYNCHROCHECK 2: Delta Voltage	0 V
SYNCHROCHECK 2: Delta Phase	0.0 deg
SYNCHROCHECK 2: Delta Frequency	0.00 Hz

TRACKING FREQUENCY

Tracking Frequency	49.84 Hz

FLEXELEMENTS

NAME: FlexElement 1	FxE 1
Actual	0.000
NAME: FlexElement 2	FxE 2
Actual	0.000
NAME: FlexElement 3	FxE 3
Actual	0.000
NAME: FlexElement 4	FxE 4
Actual	0.000
NAME: FlexElement 5	FxE 5
Actual	0.000
NAME: FlexElement 6	FxE 6
Actual	0.000
NAME: FlexElement 7	FxE 7
Actual	0.000
NAME: FlexElement 8	FxE 8
Actual	0.000

IEC 61850 GOOSE ANALOGS INPUTS

VALUE: IEC61850 GOOSE Analog Input 1 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 2 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 3 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 4 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 5 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 6 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 7 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 8 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 9 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 10 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 11 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 12 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 13 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 14 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 15 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 16 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 17 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 18 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 19 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 20 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 21 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 22 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 23 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 24 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 25 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 26 Actual	0.000

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

VALUE: IEC61850 GOOSE Analog Input 27 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 28 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 29 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 30 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 31 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 32 Actual	0.000

WATTMETRIC GROUND FAULT

WATTMETRIC GND FLT 1: Operating Power	0.000 W
WATTMETRIC GND FLT 2: Operating Power	0.000 W

MAINTENANCEBREAKER ARCING

BREAKER 1 ARCING AMP: Phase A	-0.00 kA2-cyc
BREAKER 1 ARCING AMP: Phase B	0.00 kA2-cyc
BREAKER 1 ARCING AMP: Phase C	0.00 kA2-cyc
BREAKER 1 ARCING AMP: Operating Time Phase A	0 ms
BREAKER 1 ARCING AMP: Operating Time Phase B	0 ms
BREAKER 1 ARCING AMP: Operating Time Phase C	0 ms
BREAKER 1 ARCING AMP: Operating Time	0 ms
BREAKER 2 ARCING AMP: Phase A	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Phase B	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Phase C	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Operating Time Phase A	0 ms
BREAKER 2 ARCING AMP: Operating Time Phase B	0 ms
BREAKER 2 ARCING AMP: Operating Time Phase C	0 ms
BREAKER 2 ARCING AMP: Operating Time	0 ms

PRODUCT INFOMODEL INFORMATION

Order Code	D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D
Serial Number	AABC07001043
Ethernet MAC Address	00 A0 F4 01 7E CD
Manufacturing Date	Friday, October 12, 2007 22:01:42
Operating Time	53743:41:34
PMU Feature Active	No
DSP Advanced Diagnostics Active	Yes
Settings Change Date	Monday, June 10, 2019 15:40:44

FIRMWARE REVISIONS

Revision	5.70
Modification File Number	0
Boot Program Revision	3.01
Front Panel Program Revision	2.01
Compile Date	Thursday, May 28, 2009 17:08:47
Boot Date	Monday, February 02, 2004 14:34:14

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1. CAUSA U ORIGEN DE LA FALLA:

1.1. Fecha y hora de la Falla:

Fecha	23 de Enero de 2021
Hora	22:24

1.2. Localización de la falla:

1.2.1. Nombre de Instalación donde se produjo de falla.

Evento ocurrido en instalaciones de terceros.
No corresponde a TRANSEMEL pronunciarse al respecto.

1.2.2. Segmento al cual pertenece el equipo o elemento fallado.

Evento ocurrido en instalaciones de terceros.
No corresponde a TRANSEMEL pronunciarse al respecto.

1.2.3. Elemento o equipo fallado.

Evento ocurrido en instalaciones de terceros.
No corresponde a TRANSEMEL pronunciarse al respecto.

1.3. Causa origen de la falla:

Falla externa a instalaciones de Transemel, que provoca la apertura de Interruptor 52B3 en Subestación Parinacota.

1.4. Proposición de origen de la falla.

III.- Externa

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1.5. Código de falla.

Causas de Falla	Código	Definición
Fenómeno Físico	OPE6	Fallas en instalaciones de terceros u en otro segmento
Elemento del Sistema Eléctrico	-	(*)
Fenómeno Eléctrico	DI21	Distancia (Admitancia, Impedancia o Reactancia)
Modo	13	Opera de acuerdo a lo esperado

(*) Falla externa a instalaciones de Transemel. No corresponde a Transemel pronunciarse sobre falla en instalaciones de terceros.

1.6. Comuna donde se originó la falla.

ID_15101 Arica

1.7. Comunas afectadas por la falla.

ID_15101 Arica

1.8. Reiteración.

1.8.1. N° de Fallas en Instalación. (Últimos 24 meses móviles).

No aplica, falla en instalación de terceros.

1.8.2. N° de Fallas en Instalación con mismo Fenómeno Físico. (Últimos 24 meses móviles).

No aplica, falla en instalación de terceros.

1.8.3. Identificación de Evento de Falla que afecta a instalación en los últimos 24 meses móviles.

No aplica, falla en instalación de terceros.

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

1.9. Representante legal empresa propietaria

Empresa: Empresa Transmisión Eléctrica Transemel S.A

RUT: 98.893.220-9

Representante legal: Cristóbal Villarino Herrera

Dirección: Avenida Presidente Riesco 5561, piso 14, Las Condes Santiago

2. INSTALACIONES AFECTADAS.

Subestación Primaria	Instalación (Barra Primaria)	Hora desconexión	Hora Normalización
Parinacota	Paño B3 66kV	22:24	04:36

3. DIAGRAMAS SIMPLIFICADOS.

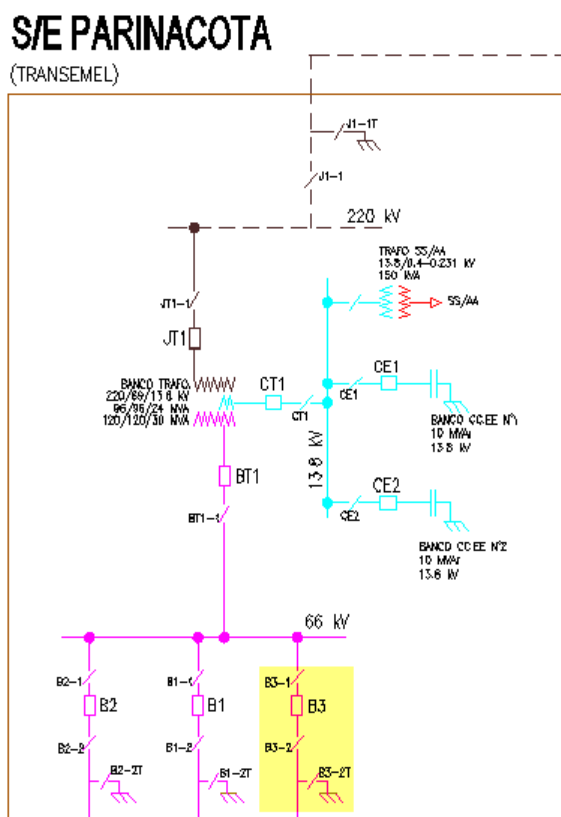


Figura 1; Diagrama Unilineal Simplificado instalación afectada.

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

4. PERDIDAS DE GENERACIÓN.

No hay generación de propiedad de Transemel, involucrada en la falla.

5. PÉRDIDAS DE CONSUMOS.

Subestación /Transformador	Alimentador /Nema	MW	Hora desconexión	Hora normalización	Clientes afectados
Parinacota	52B3	6,4	22:24	04:36	CGE
	TOTAL (MW)	6,4 Mw.			

ENS: 11,251 MWH.

6. CRONOLOGÍA DE EVENTOS Y DESCRIPCIÓN DE CAUSAS.20

S/E	Evento 20-01-2020	Horario
Parinacota	Apertura forzada por operación de Protecciones Interruptor 52B3	22:24
Parinacota	Cierre 52B3 Paño Quiani. LT 66 kV Parinacota - Quiani	04:36

INFORME DE FALLA
REQUERIMIENTO NORMA TÉCNICA DE SyCS

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

7. ESQUEMAS DE PROTECCIÓN Y CONTROL INVOLUCRADOS EN LA FALLA.

Resumen del evento

Hora Relé	S/E	Instalación (Paño)	Protección Operada	Tiempo [s]	Observaciones
01:23:53	Parinacota	Paño B3 Línea Parinacota - Quiani	21	Instantáneo	Opera Correctamente

Archivos adjuntos del evento

Interruptor Asociado/Extremo (S/E)	Hora	Descripción de oscilografías o Registro de Eventos	Nombre de Archivo de Oscilografías y Registro de Eventos
52B3	01:23:53	-Oscilografía Operación 21N Protección Sistema GE-D60+	Osc3 Falla LT Tap off Qiani – Quiani 20210125.cfg/.dat/.hdr
		Eventos -Protección Sistema GE-D60+	Evento falla LT Tap off Quiani – Quiani 20210125.evt

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INSTALACIÓN (ES) Línea Parinacota - Quiani	

7.1 Análisis Actuación de Esquema de Protección.

File Name	C:\Users\Public\Documents\GE Power Management\URPC\Data\Device Files\Quick Connect Device\EVT_254_20191219_150544.EVT		
Date / Time of Last Clear	Thursday, December 19, 2019 15:05:44		
Events Since Last Clear	40139	Shown Number of Events	1024
  0 days 20 h : 11 m : 14.609397 s  			
Event Number	Date/Time	Cause	Data
40042	Jan 24 2021 01:23:53.415558	TX 85D-B Off	
40041	Jan 24 2021 01:23:53.415558	TRIP2 52B3-B Off	
40040	Jan 24 2021 01:23:53.415558	TRIP1 52B3-B Off	
40039	Jan 24 2021 01:23:53.415558	PH DIR1 BLKB Off	
40038	Jan 24 2021 01:23:53.413060	AR BKR1 BLK	
40037	Jan 24 2021 01:23:53.403079	PH DIR1 BLKB On	
40036	Jan 24 2021 01:23:53.403079	PH DIR1 BLK B	
40035	Jan 24 2021 01:23:53.396781	52B3 AB On	
40034	Jan 24 2021 01:23:53.380624	BLOCK SOTF Off	
40033	Jan 24 2021 01:23:53.377273	52B3 CE Off	
40032	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40031	Jan 24 2021 01:23:53.368149	AL OP PROT Off	
40030	Jan 24 2021 01:23:53.368149	TX 85A/C Off	
40029	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO CA	
40028	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO BC	
40027	Jan 24 2021 01:23:53.368149	PH DIST Z2 DPO AB	
40026	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO CA	
40025	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO BC	
40024	Jan 24 2021 01:23:53.368149	PH DIST Z1 DPO AB	
40023	Jan 24 2021 01:23:53.365651	OPEN POLE OP C	
40022	Jan 24 2021 01:23:53.365651	OPEN POLE OP B	
40021	Jan 24 2021 01:23:53.365651	OPEN POLE OP A	
40020	Jan 24 2021 01:23:53.358168	PH DIST Z1 OP AB	
40019	Jan 24 2021 01:23:53.358168	PH DIST Z1 PKP AB	
40018	Jan 24 2021 01:23:53.355673	TX 85D-C On	
40017	Jan 24 2021 01:23:53.355673	TX 85D-B On	
Quick Connect Device Actual Values: Records			
40007	Jan 24 2021 01:23:53.355673	PART 50BF-C On	
40006	Jan 24 2021 01:23:53.355673	PART 50BF-B On	
40005	Jan 24 2021 01:23:53.355673	PART 50BF-A On	
40004	Jan 24 2021 01:23:53.355673	TRIP 3-POLE	
40003	Jan 24 2021 01:23:53.355673	TRIP PHASE C	
40002	Jan 24 2021 01:23:53.355673	TRIP PHASE B	
40001	Jan 24 2021 01:23:53.355673	TRIP PHASE A	
40000	Jan 24 2021 01:23:53.355673	FAULT RPT TRIG	
39992	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP C	
39991	Jan 24 2021 01:23:53.353174	PHASE TOC1 PKP A	
39990	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP CA	
39989	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP CA	
39988	Jan 24 2021 01:23:53.353174	PH DIST Z1 OP BC	
39987	Jan 24 2021 01:23:53.353174	PH DIST Z1 PKP BC	

Figura 1: Registro de Eventos (extracto) del relé UR D60

En el registro secuencial de eventos de la protección GE-D60 Paño B3 en S/E Parinacota, se observa la operación instantánea del elemento de protección "DIST Z1 OP CA" en el evento # 39989, la orden de trip sobre el interruptor 52B3 en el evento # 40404 y la apertura del interruptor en el evento # 40033, obteniéndose así un tiempo de operación del interruptor de 21,6 [ms].

Cabe mencionar que por filosofía de protecciones la reconexión automática no está habilitada en el relé de 52B3 de S/E Parinacota, de acuerdo al Proyecto Original.

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INSTALACIÓN (ES) Línea Parinacota - Quiani	

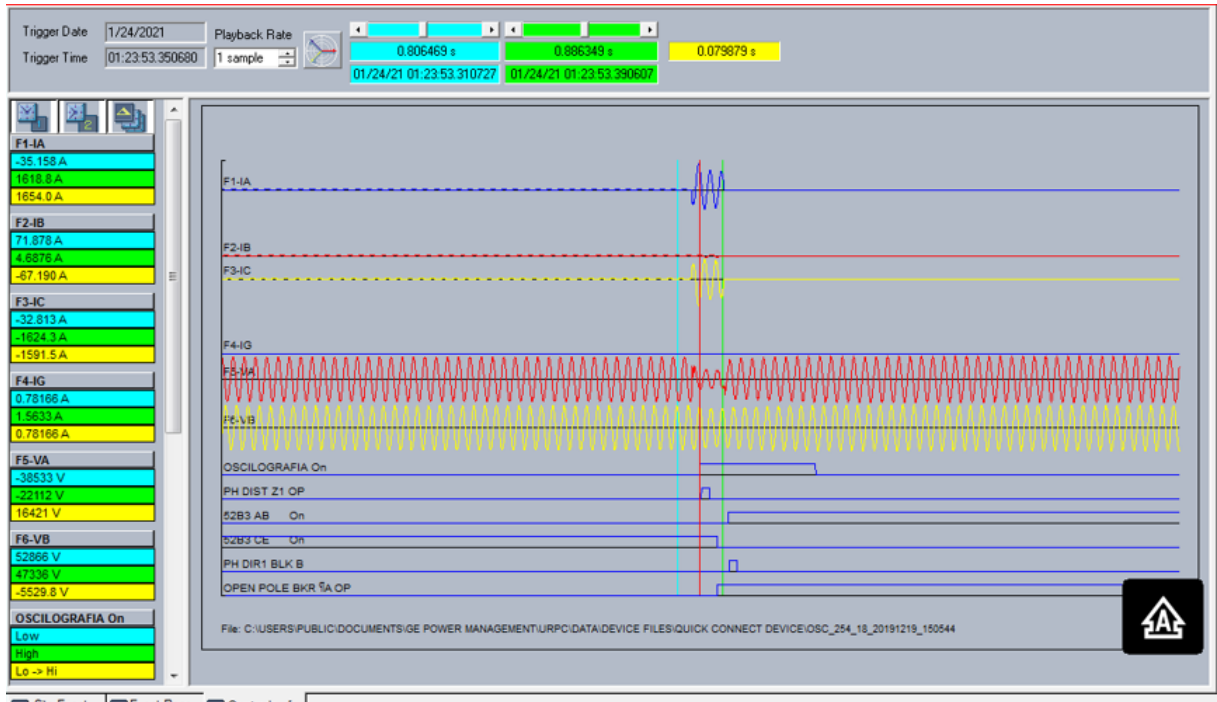


Figura 2: Oscilografías relé UR D60

Del registro oscilográfico se aprecia la operación de la protección GE-D60, por medio del elemento de distancia de zona 1 "DIST Z1 OP" producto de falla bifasica AC , probocando la apertura instantánea del interruptor 52B3 de S/E Parinacota.

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INSTALACIÓN (ES) Línea Parinacota - Quiani	

8. ACCIONES CORRECTIVAS.

- 8.1.** Acciones Correctivas de Corto Plazo.
No aplica.
- 8.2.** Acciones correctivas de Largo Plazo
No aplica.

9. CONCLUSIONES.

En base a los antecedentes expuestos en el presente informe, se concluye que opera correctamente el Paño B3 de SE Parinacota propiedad de TRANSEMEL, despejando oportunamente la falla ocurrida en instalaciones de terceros.

10. ANALISIS CONJUNTO.

Falla externa a instalaciones de Transemel, lo cual provocó la apertura del Interruptor 52B3 de Subestación Parinacota, este evento se produjo a las 22:24 hrs. Tras confirmación de CGE del despeje y normalización de la instalación fallada se energizó la línea Parinacota – Quiani a las 04:36 hrs. Las protecciones actuaron correctamente conforme a los ajustes.

INFORME DE FALLA
REQUERIMIENTO NORMA TÉCNICA DE SyCS

INFORME (s) QUINTO DÍA N°: IF 2021000212	FECHA DE FALLA: 23 de 01 de 2021
INSTALACIÓN (ES) Línea Parinacota - Quiani	

ANEXOS I PRINT OUT

Se adjunta “ANEXO 1 PRINT OUT Parinacota D60 B3 Quiani Setup”.

ANEXO II REGISTRO SCADA

FECHA	HORA	ESTADO	MEDIDOR
24-01-2021	1:23:53	PARI_B3_52B3-APMAN_AL_ACTIVAR	52B3 AP
24-01-2021	1:23:53	PARI_B3_52B3-ST_ABIERTO	52B3 AB
24-01-2021	1:23:54	PARI_B3_52B3-APMAN_AL_ACTIVAR	52B3 AP
24-01-2021	6:38:55	PARI_B3_52B3-OR_CERRAR	52B3 CE
24-01-2021	6:38:56	Fix32.ARISS.PARI_B3_52B3-OR_CER	C2::ROBERT
24-01-2021	6:38:56	PARI_B3_52B3-ST_ABIERTO	52B3 AB
24-01-2021	7:33:44	PARI_B3_52B3-OR_ABRIR	52B3 AB
24-01-2021	7:33:44	Fix32.ARISS.PARI_B3_52B3-OR_ABR	2::ROBERTO
24-01-2021	7:33:44	PARI_B3_52B3-ST_ABIERTO	52B3 AB
24-01-2021	7:33:44	PARI_B3_52B3-APMAN_AL_ACTIVAR	52B3 AP
24-01-2021	7:33:50	PARI_B3_52B3-APMAN_AL_ACTIVAR	52B3 AP
24-01-2021	7:35:45	PARI_B3_52B3-OR_CERRAR	52B3 CE
24-01-2021	7:35:46	Fix32.ARISS.PARI_B3_52B3-OR_CER	C2::ROBERT
24-01-2021	7:35:46	PARI_B3_52B3-ST_ABIERTO	52B3 AB

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502****PRODUCT SETUP****SECURITY**

Command Password	0
Setting Password	1032091941
Command Password Access Timeout	5 min
Setting Password Access Timeout	30 min
Invalid Password Attempts	3
Password Lockout Duration	5 min
Password Access Events	Disabled
Local Setting Authorized	ON
Remote Setting Authorized	ON
Access Authorized Timeout	30 min

DISPLAY PROPERTIES

Flash Message Time	3.0 s
Default Message Timeout	120 s
Default Message Intensity (VFD Only)	25 %
Screen Saver Feature (LCD Only)	Enabled
Screen Saver Wait Time (LCD Only)	2 min
Current Cutoff Level	0.020 pu
Voltage Cutoff Level	0.5 V

CLEAR RELAY RECORDS

Clear Fault Reports	OFF
Clear Event Records	OFF
Clear Oscillography	OFF
Clear Data Logger	OFF
CLEAR Breaker 1 Arcing Amps	OFF
CLEAR Breaker 2 Arcing Amps	OFF
Clear Energy	OFF
Reset Unauth Access	OFF

COMMUNICATIONS**SERIAL PORTS**

RS485 Com2 Baud Rate	19200
RS485 Com2 Parity	None
RS485 Com2 Response Min Time	0 ms

NETWORK

IP Address	10. 1. 32. 51
IP Subnet Mask	255.255.255. 0
Gateway IP Address	10. 1. 32. 1
Ethernet Operation Mode	Full-Duplex
OSI Network Address (NSAP)	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

MODBUS PROTOCOL

Modbus Slave Address	51
Modbus TCP Port Number	502

DNP PROTOCOL

DNP Channel 1 Port	NETWORK - TCP
DNP Channel 2 Port	NETWORK - TCP
DNP Address	51
DNP Client Address 1	10. 1. 32. 10
DNP Client Address 2	0. 0. 0. 0
DNP Client Address 3	0. 0. 0. 0
DNP Client Address 4	0. 0. 0. 0
DNP Client Address 5	0. 0. 0. 0
DNP TCP/UDP Port Number	20000
DNP Unsol Resp Function	Enabled
DNP Unsol Resp Timeout	5 s
DNP Unsol Resp Max Retries	10
DNP Unsol Resp Dest Addr	1000
DNP Current Scale Factor	0.1
DNP Voltage Scale Factor	1
DNP Power Scale Factor	1000
DNP Energy Scale Factor	1
DNP Power Factor Scale Factor	0.001
DNP Other Scale Factor	0.001

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP PROTOCOL (continued from last page)

DNP Current Default Deadband	5
DNP Voltage Default Deadband	50
DNP Power Default Deadband	50
DNP Energy Default Deadband	30000
DNP Power Factor Default Deadband	5
DNP Other Default Deadband	5
DNP Time Sync IIN Period	1440 min
DNP Message Fragment Size	240
DNP Object 1 Default Variation	2
DNP Object 2 Default Variation	2
DNP Object 20 Default Variation	1
DNP Object 21 Default Variation	1
DNP Object 22 Default Variation	1
DNP Object 23 Default Variation	1
DNP Object 30 Default Variation	5
DNP Object 32 Default Variation	7
DNP Number of Paired Controls	0
DNP TCP Connection Timeout	120 s

DNP - IEC104 POINTS LISTS

DNP Binary Input Point 0	PART 50BF-A On (VO1)
DNP Binary Input Point 1	PART 50BF-B On (VO2)
DNP Binary Input Point 2	PART 50BF-C On (VO3)
DNP Binary Input Point 3	PART 50BF 3P On (VO4)
DNP Binary Input Point 4	PART 79 3P On (VO5)
DNP Binary Input Point 5	BLOCK 79 On (VO6)
DNP Binary Input Point 6	CE MAN 52B3 On (VO7)
DNP Binary Input Point 7	Virt Op 8 On (VO8)
DNP Binary Input Point 8	TRIP PROT. On (VO9)
DNP Binary Input Point 9	CLOSE PROT. On (VO10)
DNP Binary Input Point 10	TDD PROT. On (VO11)
DNP Binary Input Point 11	PKP PROT. On (VO12)
DNP Binary Input Point 12	OSCILOGRAFIA On (VO13)
DNP Binary Input Point 13	SCA OP 21 Z1 On (VO14)
DNP Binary Input Point 14	SCA OP 21 Z2 On (VO15)
DNP Binary Input Point 15	SCA OP 21 Z3 On (VO16)
DNP Binary Input Point 16	SCA OP 21 Z4 On (VO17)
DNP Binary Input Point 17	SCA OP 21 Z5 On (VO18)
DNP Binary Input Point 18	SCA OP 51P On (VO19)
DNP Binary Input Point 19	SCA OP 51N On (VO20)
DNP Binary Input Point 20	SCA OP LINE On (VO21)
DNP Binary Input Point 21	BLOCK SOTF On (VO22)
DNP Binary Input Point 22	HAB 79 VO23 On (VO23)
DNP Binary Input Point 23	DES 79 VO24 On (VO24)
DNP Binary Input Point 24	DES/HAB 79 On (VO25)
DNP Binary Input Point 25	RST DEVICE On (VO26)
DNP Binary Input Point 26	TX 85A/C On (VO27)
DNP Binary Input Point 27	79 RIP On (VO28)
DNP Binary Input Point 28	Virt Op 29 On (VO29)
DNP Binary Input Point 29	TRIP FAULT R On (VO30)
DNP Binary Input Point 30	PEXT 79S1 OK On (VO31)
DNP Binary Input Point 31	Virt Op 32 On (VO32)
DNP Binary Input Point 32	SCA OP 50BF On (VO33)
DNP Binary Input Point 33	SCA OP 79 S2 On (VO34)
DNP Binary Input Point 34	SCA OP 79 B3 On (VO35)
DNP Binary Input Point 35	SCA FAULT R On (VO36)
DNP Binary Input Point 36	SCA ANY B3 On (VO37)
DNP Binary Input Point 37	SCA OP 46 On (VO38)
DNP Binary Input Point 38	SCA CUT LINE On (VO39)
DNP Binary Input Point 39	SC AP B3 Rx On (VO40)
DNP Binary Input Point 40	OP 21S1 Z1 On (VO41)
DNP Binary Input Point 41	OP 21S1 Z2 On (VO42)
DNP Binary Input Point 42	OP 21S1 Z3 On (VO43)
DNP Binary Input Point 43	OP 21S1 Z4 On (VO44)
DNP Binary Input Point 44	OP 79 SIST.1 On (VO45)
DNP Binary Input Point 45	PH DIR1 BLKA On (VO46)
DNP Binary Input Point 46	PH DIR1 BLKB On (VO47)
DNP Binary Input Point 47	PH DIR1 BLKC On (VO48)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 48	Virt Op 49 On (VO49)
DNP Binary Input Point 49	Virt Op 50 On (VO50)
DNP Binary Input Point 50	Virt Op 51 On (VO51)
DNP Binary Input Point 51	Virt Op 52 On (VO52)
DNP Binary Input Point 52	Virt Op 53 On (VO53)
DNP Binary Input Point 53	Virt Op 54 On (VO54)
DNP Binary Input Point 54	Virt Op 55 On (VO55)
DNP Binary Input Point 55	Virt Op 56 On (VO56)
DNP Binary Input Point 56	Virt Op 57 On (VO57)
DNP Binary Input Point 57	Virt Op 58 On (VO58)
DNP Binary Input Point 58	Virt Op 59 On (VO59)
DNP Binary Input Point 59	Virt Op 60 On (VO60)
DNP Binary Input Point 60	Virt Op 61 On (VO61)
DNP Binary Input Point 61	Virt Op 62 On (VO62)
DNP Binary Input Point 62	Virt Op 63 On (VO63)
DNP Binary Input Point 63	Osc Trigger On (VO64)
DNP Binary Input Point 64	Virt Op 65 On (VO65)
DNP Binary Input Point 65	Virt Op 66 On (VO66)
DNP Binary Input Point 66	Virt Op 67 On (VO67)
DNP Binary Input Point 67	Virt Op 68 On (VO68)
DNP Binary Input Point 68	Virt Op 69 On (VO69)
DNP Binary Input Point 69	Virt Op 70 On (VO70)
DNP Binary Input Point 70	Virt Op 71 On (VO71)
DNP Binary Input Point 71	Virt Op 72 On (VO72)
DNP Binary Input Point 72	Virt Op 73 On (VO73)
DNP Binary Input Point 73	Virt Op 74 On (VO74)
DNP Binary Input Point 74	Virt Op 75 On (VO75)
DNP Binary Input Point 75	Virt Op 76 On (VO76)
DNP Binary Input Point 76	Virt Op 77 On (VO77)
DNP Binary Input Point 77	Virt Op 78 On (VO78)
DNP Binary Input Point 78	Virt Op 79 On (VO79)
DNP Binary Input Point 79	Virt Op 80 On (VO80)
DNP Binary Input Point 80	Virt Op 81 On (VO81)
DNP Binary Input Point 81	Virt Op 82 On (VO82)
DNP Binary Input Point 82	Virt Op 83 On (VO83)
DNP Binary Input Point 83	Virt Op 84 On (VO84)
DNP Binary Input Point 84	Virt Op 85 On (VO85)
DNP Binary Input Point 85	Virt Op 86 On (VO86)
DNP Binary Input Point 86	Virt Op 87 On (VO87)
DNP Binary Input Point 87	Virt Op 88 On (VO88)
DNP Binary Input Point 88	Virt Op 89 On (VO89)
DNP Binary Input Point 89	Virt Op 90 On (VO90)
DNP Binary Input Point 90	Virt Op 91 On (VO91)
DNP Binary Input Point 91	Virt Op 92 On (VO92)
DNP Binary Input Point 92	Virt Op 93 On (VO93)
DNP Binary Input Point 93	Virt Op 94 On (VO94)
DNP Binary Input Point 94	Virt Op 95 On (VO95)
DNP Binary Input Point 95	Virt Op 96 On (VO96)
DNP Binary Input Point 96	52B3 AB On(H7a)
DNP Binary Input Point 97	Cont Ip 2 On(H7c)
DNP Binary Input Point 98	Cont Ip 3 On(H8a)
DNP Binary Input Point 99	52B3 CE On(H8c)
DNP Binary Input Point 100	RX 85A On(M7a)
DNP Binary Input Point 101	RX 85C On(M7c)
DNP Binary Input Point 102	GRP AJUSTE 1 On(M8a)
DNP Binary Input Point 103	GRP AJUSTE 2 On(M8c)
DNP Binary Input Point 104	P.EXT.50BF-A On(P7a)
DNP Binary Input Point 105	P.EXT.50BF-B On(P7c)
DNP Binary Input Point 106	P.EXT.50BF-C On(P8a)
DNP Binary Input Point 107	RX TRIP REM On(P8c)
DNP Binary Input Point 108	S79 S1 ON On(U7a)
DNP Binary Input Point 109	S79 S2 ON On(U7c)
DNP Binary Input Point 110	Cont Ip 15 On(U8a)
DNP Binary Input Point 111	Cont Ip 16 On(U8c)
DNP Binary Input Point 112	CTRL HAB 79 On(W1a)
DNP Binary Input Point 113	CTRL DES 79 On(W1c)
DNP Binary Input Point 114	52B3 CE MAN On(W2a)
DNP Binary Input Point 115	OP 21S1 Z1 On(W2c)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 116	OP 21S1 Z2 On(W3a)
DNP Binary Input Point 117	OP 21S1 Z3 On(W3c)
DNP Binary Input Point 118	OP 21S1 Z4 On(W4a)
DNP Binary Input Point 119	Cont Ip 24 On(W4c)
DNP Binary Input Point 120	P.EXT. 79 S1 On(W5a)
DNP Binary Input Point 121	Cont Ip 26 On(W5c)
DNP Binary Input Point 122	OP 79 SIST.1 On(W6a)
DNP Binary Input Point 123	21S1 FALLA On(W6c)
DNP Binary Input Point 124	Cont Ip 29 On(W7a)
DNP Binary Input Point 125	FA T/P S2 On(W7c)
DNP Binary Input Point 126	BP CONECTADO On(W8a)
DNP Binary Input Point 127	79 S1 HABIL On(W8c)
DNP Binary Input Point 128	OFF
DNP Binary Input Point 129	OFF
DNP Binary Input Point 130	OFF
DNP Binary Input Point 131	OFF
DNP Binary Input Point 132	OFF
DNP Binary Input Point 133	OFF
DNP Binary Input Point 134	OFF
DNP Binary Input Point 135	OFF
DNP Binary Input Point 136	OFF
DNP Binary Input Point 137	OFF
DNP Binary Input Point 138	OFF
DNP Binary Input Point 139	OFF
DNP Binary Input Point 140	OFF
DNP Binary Input Point 141	OFF
DNP Binary Input Point 142	OFF
DNP Binary Input Point 143	OFF
DNP Binary Input Point 144	OFF
DNP Binary Input Point 145	OFF
DNP Binary Input Point 146	OFF
DNP Binary Input Point 147	OFF
DNP Binary Input Point 148	OFF
DNP Binary Input Point 149	OFF
DNP Binary Input Point 150	OFF
DNP Binary Input Point 151	OFF
DNP Binary Input Point 152	OFF
DNP Binary Input Point 153	OFF
DNP Binary Input Point 154	OFF
DNP Binary Input Point 155	OFF
DNP Binary Input Point 156	OFF
DNP Binary Input Point 157	OFF
DNP Binary Input Point 158	OFF
DNP Binary Input Point 159	OFF
DNP Binary Input Point 160	OFF
DNP Binary Input Point 161	OFF
DNP Binary Input Point 162	OFF
DNP Binary Input Point 163	OFF
DNP Binary Input Point 164	OFF
DNP Binary Input Point 165	OFF
DNP Binary Input Point 166	OFF
DNP Binary Input Point 167	OFF
DNP Binary Input Point 168	OFF
DNP Binary Input Point 169	OFF
DNP Binary Input Point 170	OFF
DNP Binary Input Point 171	OFF
DNP Binary Input Point 172	OFF
DNP Binary Input Point 173	OFF
DNP Binary Input Point 174	OFF
DNP Binary Input Point 175	OFF
DNP Binary Input Point 176	OFF
DNP Binary Input Point 177	OFF
DNP Binary Input Point 178	OFF
DNP Binary Input Point 179	OFF
DNP Binary Input Point 180	OFF
DNP Binary Input Point 181	OFF
DNP Binary Input Point 182	OFF
DNP Binary Input Point 183	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 184	OFF
DNP Binary Input Point 185	OFF
DNP Binary Input Point 186	OFF
DNP Binary Input Point 187	OFF
DNP Binary Input Point 188	OFF
DNP Binary Input Point 189	OFF
DNP Binary Input Point 190	OFF
DNP Binary Input Point 191	OFF
DNP Binary Input Point 192	OFF
DNP Binary Input Point 193	OFF
DNP Binary Input Point 194	OFF
DNP Binary Input Point 195	OFF
DNP Binary Input Point 196	OFF
DNP Binary Input Point 197	OFF
DNP Binary Input Point 198	OFF
DNP Binary Input Point 199	OFF
DNP Binary Input Point 200	OFF
DNP Binary Input Point 201	OFF
DNP Binary Input Point 202	OFF
DNP Binary Input Point 203	OFF
DNP Binary Input Point 204	OFF
DNP Binary Input Point 205	OFF
DNP Binary Input Point 206	OFF
DNP Binary Input Point 207	OFF
DNP Binary Input Point 208	OFF
DNP Binary Input Point 209	OFF
DNP Binary Input Point 210	OFF
DNP Binary Input Point 211	OFF
DNP Binary Input Point 212	OFF
DNP Binary Input Point 213	OFF
DNP Binary Input Point 214	OFF
DNP Binary Input Point 215	OFF
DNP Binary Input Point 216	OFF
DNP Binary Input Point 217	OFF
DNP Binary Input Point 218	OFF
DNP Binary Input Point 219	OFF
DNP Binary Input Point 220	OFF
DNP Binary Input Point 221	OFF
DNP Binary Input Point 222	OFF
DNP Binary Input Point 223	OFF
DNP Binary Input Point 224	OFF
DNP Binary Input Point 225	OFF
DNP Binary Input Point 226	OFF
DNP Binary Input Point 227	OFF
DNP Binary Input Point 228	OFF
DNP Binary Input Point 229	OFF
DNP Binary Input Point 230	OFF
DNP Binary Input Point 231	OFF
DNP Binary Input Point 232	OFF
DNP Binary Input Point 233	OFF
DNP Binary Input Point 234	OFF
DNP Binary Input Point 235	OFF
DNP Binary Input Point 236	OFF
DNP Binary Input Point 237	OFF
DNP Binary Input Point 238	OFF
DNP Binary Input Point 239	OFF
DNP Binary Input Point 240	OFF
DNP Binary Input Point 241	OFF
DNP Binary Input Point 242	OFF
DNP Binary Input Point 243	OFF
DNP Binary Input Point 244	OFF
DNP Binary Input Point 245	OFF
DNP Binary Input Point 246	OFF
DNP Binary Input Point 247	OFF
DNP Binary Input Point 248	OFF
DNP Binary Input Point 249	OFF
DNP Binary Input Point 250	OFF
DNP Binary Input Point 251	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Binary Input Point 252	OFF
DNP Binary Input Point 253	OFF
DNP Binary Input Point 254	OFF
DNP Binary Input Point 255	OFF
DNP Analog Input Point 0	Prefault Ia Mag [1]
DNP Analog Input Point 1	Prefault Ib Mag [1]
DNP Analog Input Point 2	Prefault Ic Mag [1]
DNP Analog Input Point 3	Prefault Va Mag [1]
DNP Analog Input Point 4	Prefault Vb Mag [1]
DNP Analog Input Point 5	Prefault Vc Mag [1]
DNP Analog Input Point 6	Fault Ia Mag [1]
DNP Analog Input Point 7	Fault Ib Mag [1]
DNP Analog Input Point 8	Fault Ic Mag [1]
DNP Analog Input Point 9	Fault Va Mag [1]
DNP Analog Input Point 10	Fault Vb Mag [1]
DNP Analog Input Point 11	Fault Vc Mag [1]
DNP Analog Input Point 12	Fault Type [1]
DNP Analog Input Point 13	Fault Location [1]
DNP Analog Input Point 14	SRC1 Vab Mag
DNP Analog Input Point 15	SRC1 Vbc Mag
DNP Analog Input Point 16	SRC1 Vca Mag
DNP Analog Input Point 17	SRC1 V_1 Mag
DNP Analog Input Point 18	SRC1 Vx Mag
DNP Analog Input Point 19	SRC1 Ia Mag
DNP Analog Input Point 20	SRC1 Ib Mag
DNP Analog Input Point 21	SRC1 Ic Mag
DNP Analog Input Point 22	SRC1 I_1 Mag
DNP Analog Input Point 23	SRC1 P
DNP Analog Input Point 24	SRC1 Q
DNP Analog Input Point 25	SRC1 S
DNP Analog Input Point 26	SRC1 PF
DNP Analog Input Point 27	SRC1 Frequency
DNP Analog Input Point 28	SRC2 Vab Mag
DNP Analog Input Point 29	SRC2 Vbc Mag
DNP Analog Input Point 30	SRC2 Vca Mag
DNP Analog Input Point 31	SRC2 V_1 Mag
DNP Analog Input Point 32	SRC2 Vx Mag
DNP Analog Input Point 33	SRC2 Ia Mag
DNP Analog Input Point 34	SRC2 Ib Mag
DNP Analog Input Point 35	SRC2 Ic Mag
DNP Analog Input Point 36	SRC2 I_1 Mag
DNP Analog Input Point 37	SRC2 P
DNP Analog Input Point 38	SRC2 Q
DNP Analog Input Point 39	SRC2 S
DNP Analog Input Point 40	SRC2 PF
DNP Analog Input Point 41	SRC2 Frequency
DNP Analog Input Point 42	OFF
DNP Analog Input Point 43	OFF
DNP Analog Input Point 44	OFF
DNP Analog Input Point 45	OFF
DNP Analog Input Point 46	OFF
DNP Analog Input Point 47	OFF
DNP Analog Input Point 48	OFF
DNP Analog Input Point 49	OFF
DNP Analog Input Point 50	OFF
DNP Analog Input Point 51	OFF
DNP Analog Input Point 52	OFF
DNP Analog Input Point 53	OFF
DNP Analog Input Point 54	OFF
DNP Analog Input Point 55	OFF
DNP Analog Input Point 56	OFF
DNP Analog Input Point 57	OFF
DNP Analog Input Point 58	OFF
DNP Analog Input Point 59	OFF
DNP Analog Input Point 60	OFF
DNP Analog Input Point 61	OFF
DNP Analog Input Point 62	OFF
DNP Analog Input Point 63	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 64	OFF
DNP Analog Input Point 65	OFF
DNP Analog Input Point 66	OFF
DNP Analog Input Point 67	OFF
DNP Analog Input Point 68	OFF
DNP Analog Input Point 69	OFF
DNP Analog Input Point 70	OFF
DNP Analog Input Point 71	OFF
DNP Analog Input Point 72	OFF
DNP Analog Input Point 73	OFF
DNP Analog Input Point 74	OFF
DNP Analog Input Point 75	OFF
DNP Analog Input Point 76	OFF
DNP Analog Input Point 77	OFF
DNP Analog Input Point 78	OFF
DNP Analog Input Point 79	OFF
DNP Analog Input Point 80	OFF
DNP Analog Input Point 81	OFF
DNP Analog Input Point 82	OFF
DNP Analog Input Point 83	OFF
DNP Analog Input Point 84	OFF
DNP Analog Input Point 85	OFF
DNP Analog Input Point 86	OFF
DNP Analog Input Point 87	OFF
DNP Analog Input Point 88	OFF
DNP Analog Input Point 89	OFF
DNP Analog Input Point 90	OFF
DNP Analog Input Point 91	OFF
DNP Analog Input Point 92	OFF
DNP Analog Input Point 93	OFF
DNP Analog Input Point 94	OFF
DNP Analog Input Point 95	OFF
DNP Analog Input Point 96	OFF
DNP Analog Input Point 97	OFF
DNP Analog Input Point 98	OFF
DNP Analog Input Point 99	OFF
DNP Analog Input Point 100	OFF
DNP Analog Input Point 101	OFF
DNP Analog Input Point 102	OFF
DNP Analog Input Point 103	OFF
DNP Analog Input Point 104	OFF
DNP Analog Input Point 105	OFF
DNP Analog Input Point 106	OFF
DNP Analog Input Point 107	OFF
DNP Analog Input Point 108	OFF
DNP Analog Input Point 109	OFF
DNP Analog Input Point 110	OFF
DNP Analog Input Point 111	OFF
DNP Analog Input Point 112	OFF
DNP Analog Input Point 113	OFF
DNP Analog Input Point 114	OFF
DNP Analog Input Point 115	OFF
DNP Analog Input Point 116	OFF
DNP Analog Input Point 117	OFF
DNP Analog Input Point 118	OFF
DNP Analog Input Point 119	OFF
DNP Analog Input Point 120	OFF
DNP Analog Input Point 121	OFF
DNP Analog Input Point 122	OFF
DNP Analog Input Point 123	OFF
DNP Analog Input Point 124	OFF
DNP Analog Input Point 125	OFF
DNP Analog Input Point 126	OFF
DNP Analog Input Point 127	OFF
DNP Analog Input Point 128	OFF
DNP Analog Input Point 129	OFF
DNP Analog Input Point 130	OFF
DNP Analog Input Point 131	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 132	OFF
DNP Analog Input Point 133	OFF
DNP Analog Input Point 134	OFF
DNP Analog Input Point 135	OFF
DNP Analog Input Point 136	OFF
DNP Analog Input Point 137	OFF
DNP Analog Input Point 138	OFF
DNP Analog Input Point 139	OFF
DNP Analog Input Point 140	OFF
DNP Analog Input Point 141	OFF
DNP Analog Input Point 142	OFF
DNP Analog Input Point 143	OFF
DNP Analog Input Point 144	OFF
DNP Analog Input Point 145	OFF
DNP Analog Input Point 146	OFF
DNP Analog Input Point 147	OFF
DNP Analog Input Point 148	OFF
DNP Analog Input Point 149	OFF
DNP Analog Input Point 150	OFF
DNP Analog Input Point 151	OFF
DNP Analog Input Point 152	OFF
DNP Analog Input Point 153	OFF
DNP Analog Input Point 154	OFF
DNP Analog Input Point 155	OFF
DNP Analog Input Point 156	OFF
DNP Analog Input Point 157	OFF
DNP Analog Input Point 158	OFF
DNP Analog Input Point 159	OFF
DNP Analog Input Point 160	OFF
DNP Analog Input Point 161	OFF
DNP Analog Input Point 162	OFF
DNP Analog Input Point 163	OFF
DNP Analog Input Point 164	OFF
DNP Analog Input Point 165	OFF
DNP Analog Input Point 166	OFF
DNP Analog Input Point 167	OFF
DNP Analog Input Point 168	OFF
DNP Analog Input Point 169	OFF
DNP Analog Input Point 170	OFF
DNP Analog Input Point 171	OFF
DNP Analog Input Point 172	OFF
DNP Analog Input Point 173	OFF
DNP Analog Input Point 174	OFF
DNP Analog Input Point 175	OFF
DNP Analog Input Point 176	OFF
DNP Analog Input Point 177	OFF
DNP Analog Input Point 178	OFF
DNP Analog Input Point 179	OFF
DNP Analog Input Point 180	OFF
DNP Analog Input Point 181	OFF
DNP Analog Input Point 182	OFF
DNP Analog Input Point 183	OFF
DNP Analog Input Point 184	OFF
DNP Analog Input Point 185	OFF
DNP Analog Input Point 186	OFF
DNP Analog Input Point 187	OFF
DNP Analog Input Point 188	OFF
DNP Analog Input Point 189	OFF
DNP Analog Input Point 190	OFF
DNP Analog Input Point 191	OFF
DNP Analog Input Point 192	OFF
DNP Analog Input Point 193	OFF
DNP Analog Input Point 194	OFF
DNP Analog Input Point 195	OFF
DNP Analog Input Point 196	OFF
DNP Analog Input Point 197	OFF
DNP Analog Input Point 198	OFF
DNP Analog Input Point 199	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DNP - IEC104 POINTS LISTS (continued from last page)

DNP Analog Input Point 200	OFF
DNP Analog Input Point 201	OFF
DNP Analog Input Point 202	OFF
DNP Analog Input Point 203	OFF
DNP Analog Input Point 204	OFF
DNP Analog Input Point 205	OFF
DNP Analog Input Point 206	OFF
DNP Analog Input Point 207	OFF
DNP Analog Input Point 208	OFF
DNP Analog Input Point 209	OFF
DNP Analog Input Point 210	OFF
DNP Analog Input Point 211	OFF
DNP Analog Input Point 212	OFF
DNP Analog Input Point 213	OFF
DNP Analog Input Point 214	OFF
DNP Analog Input Point 215	OFF
DNP Analog Input Point 216	OFF
DNP Analog Input Point 217	OFF
DNP Analog Input Point 218	OFF
DNP Analog Input Point 219	OFF
DNP Analog Input Point 220	OFF
DNP Analog Input Point 221	OFF
DNP Analog Input Point 222	OFF
DNP Analog Input Point 223	OFF
DNP Analog Input Point 224	OFF
DNP Analog Input Point 225	OFF
DNP Analog Input Point 226	OFF
DNP Analog Input Point 227	OFF
DNP Analog Input Point 228	OFF
DNP Analog Input Point 229	OFF
DNP Analog Input Point 230	OFF
DNP Analog Input Point 231	OFF
DNP Analog Input Point 232	OFF
DNP Analog Input Point 233	OFF
DNP Analog Input Point 234	OFF
DNP Analog Input Point 235	OFF
DNP Analog Input Point 236	OFF
DNP Analog Input Point 237	OFF
DNP Analog Input Point 238	OFF
DNP Analog Input Point 239	OFF
DNP Analog Input Point 240	OFF
DNP Analog Input Point 241	OFF
DNP Analog Input Point 242	OFF
DNP Analog Input Point 243	OFF
DNP Analog Input Point 244	OFF
DNP Analog Input Point 245	OFF
DNP Analog Input Point 246	OFF
DNP Analog Input Point 247	OFF
DNP Analog Input Point 248	OFF
DNP Analog Input Point 249	OFF
DNP Analog Input Point 250	OFF
DNP Analog Input Point 251	OFF
DNP Analog Input Point 252	OFF
DNP Analog Input Point 253	OFF
DNP Analog Input Point 254	OFF
DNP Analog Input Point 255	OFF

IEC 61850

GSSE / GOOSE CONFIGURATION

TRANSMISSION

GENERAL

Default GSSE/GOOSE Update Time 1 s

GSSE

Function	Enabled
ID	EML-PAR-B3-21S2-D60
Destination MAC	00 00 00 00 00 00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FIXED GOOSE

Function	Disabled
ID	EML-PAR-B3-21S2-D60
Destination MAC	00 00 00 00 00 00
VLAN Priority	4
VLAN ID	0
ETYPE APPID	0

TX CONFIGURABLE GOOSE

GOOSEOut 1 Function	Disabled
GOOSEOut 1 ID	GOOSEOut_1
GOOSEOut 1 Destination MAC	00 00 00 00 00 00
GOOSEOut 1 VLAN Priority	4
GOOSEOut 1 VLAN ID	0
GOOSEOut 1 ETYPE APPID	0
GOOSEOut 1 ConfRev	1
GOOSEOut 1 Retransmission Curve	Relaxed
GOOSEOut 1 Dataset Item 1	None
GOOSEOut 1 Dataset Item 2	None
GOOSEOut 1 Dataset Item 3	None
GOOSEOut 1 Dataset Item 4	None
GOOSEOut 1 Dataset Item 5	None
GOOSEOut 1 Dataset Item 6	None
GOOSEOut 1 Dataset Item 7	None
GOOSEOut 1 Dataset Item 8	None
GOOSEOut 1 Dataset Item 9	None
GOOSEOut 1 Dataset Item 10	None
GOOSEOut 1 Dataset Item 11	None
GOOSEOut 1 Dataset Item 12	None
GOOSEOut 1 Dataset Item 13	None
GOOSEOut 1 Dataset Item 14	None
GOOSEOut 1 Dataset Item 15	None
GOOSEOut 1 Dataset Item 16	None
GOOSEOut 1 Dataset Item 17	None
GOOSEOut 1 Dataset Item 18	None
GOOSEOut 1 Dataset Item 19	None
GOOSEOut 1 Dataset Item 20	None
GOOSEOut 1 Dataset Item 21	None
GOOSEOut 1 Dataset Item 22	None
GOOSEOut 1 Dataset Item 23	None
GOOSEOut 1 Dataset Item 24	None
GOOSEOut 1 Dataset Item 25	None
GOOSEOut 1 Dataset Item 26	None
GOOSEOut 1 Dataset Item 27	None
GOOSEOut 1 Dataset Item 28	None
GOOSEOut 1 Dataset Item 29	None
GOOSEOut 1 Dataset Item 30	None
GOOSEOut 1 Dataset Item 31	None
GOOSEOut 1 Dataset Item 32	None
GOOSEOut 1 Dataset Item 33	None
GOOSEOut 1 Dataset Item 34	None
GOOSEOut 1 Dataset Item 35	None
GOOSEOut 1 Dataset Item 36	None
GOOSEOut 1 Dataset Item 37	None
GOOSEOut 1 Dataset Item 38	None
GOOSEOut 1 Dataset Item 39	None
GOOSEOut 1 Dataset Item 40	None
GOOSEOut 1 Dataset Item 41	None
GOOSEOut 1 Dataset Item 42	None
GOOSEOut 1 Dataset Item 43	None
GOOSEOut 1 Dataset Item 44	None
GOOSEOut 1 Dataset Item 45	None
GOOSEOut 1 Dataset Item 46	None
GOOSEOut 1 Dataset Item 47	None
GOOSEOut 1 Dataset Item 48	None
GOOSEOut 1 Dataset Item 49	None
GOOSEOut 1 Dataset Item 50	None
GOOSEOut 1 Dataset Item 51	None
GOOSEOut 1 Dataset Item 52	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 1 Dataset Item 53	None
GOOSEOut 1 Dataset Item 54	None
GOOSEOut 1 Dataset Item 55	None
GOOSEOut 1 Dataset Item 56	None
GOOSEOut 1 Dataset Item 57	None
GOOSEOut 1 Dataset Item 58	None
GOOSEOut 1 Dataset Item 59	None
GOOSEOut 1 Dataset Item 60	None
GOOSEOut 1 Dataset Item 61	None
GOOSEOut 1 Dataset Item 62	None
GOOSEOut 1 Dataset Item 63	None
GOOSEOut 1 Dataset Item 64	None
GOOSEOut 2 Function	Disabled
GOOSEOut 2 ID	GOOSEOut_2
GOOSEOut 2 Destination MAC	00 00 00 00 00 00
GOOSEOut 2 VLAN Priority	4
GOOSEOut 2 VLAN ID	0
GOOSEOut 2 ETYPE APPID	0
GOOSEOut 2 ConfRev	1
GOOSEOut 2 Retransmission Curve	Relaxed
GOOSEOut 2 Dataset Item 1	None
GOOSEOut 2 Dataset Item 2	None
GOOSEOut 2 Dataset Item 3	None
GOOSEOut 2 Dataset Item 4	None
GOOSEOut 2 Dataset Item 5	None
GOOSEOut 2 Dataset Item 6	None
GOOSEOut 2 Dataset Item 7	None
GOOSEOut 2 Dataset Item 8	None
GOOSEOut 2 Dataset Item 9	None
GOOSEOut 2 Dataset Item 10	None
GOOSEOut 2 Dataset Item 11	None
GOOSEOut 2 Dataset Item 12	None
GOOSEOut 2 Dataset Item 13	None
GOOSEOut 2 Dataset Item 14	None
GOOSEOut 2 Dataset Item 15	None
GOOSEOut 2 Dataset Item 16	None
GOOSEOut 2 Dataset Item 17	None
GOOSEOut 2 Dataset Item 18	None
GOOSEOut 2 Dataset Item 19	None
GOOSEOut 2 Dataset Item 20	None
GOOSEOut 2 Dataset Item 21	None
GOOSEOut 2 Dataset Item 22	None
GOOSEOut 2 Dataset Item 23	None
GOOSEOut 2 Dataset Item 24	None
GOOSEOut 2 Dataset Item 25	None
GOOSEOut 2 Dataset Item 26	None
GOOSEOut 2 Dataset Item 27	None
GOOSEOut 2 Dataset Item 28	None
GOOSEOut 2 Dataset Item 29	None
GOOSEOut 2 Dataset Item 30	None
GOOSEOut 2 Dataset Item 31	None
GOOSEOut 2 Dataset Item 32	None
GOOSEOut 2 Dataset Item 33	None
GOOSEOut 2 Dataset Item 34	None
GOOSEOut 2 Dataset Item 35	None
GOOSEOut 2 Dataset Item 36	None
GOOSEOut 2 Dataset Item 37	None
GOOSEOut 2 Dataset Item 38	None
GOOSEOut 2 Dataset Item 39	None
GOOSEOut 2 Dataset Item 40	None
GOOSEOut 2 Dataset Item 41	None
GOOSEOut 2 Dataset Item 42	None
GOOSEOut 2 Dataset Item 43	None
GOOSEOut 2 Dataset Item 44	None
GOOSEOut 2 Dataset Item 45	None
GOOSEOut 2 Dataset Item 46	None
GOOSEOut 2 Dataset Item 47	None
GOOSEOut 2 Dataset Item 48	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 2 Dataset Item 49	None
GOOSEOut 2 Dataset Item 50	None
GOOSEOut 2 Dataset Item 51	None
GOOSEOut 2 Dataset Item 52	None
GOOSEOut 2 Dataset Item 53	None
GOOSEOut 2 Dataset Item 54	None
GOOSEOut 2 Dataset Item 55	None
GOOSEOut 2 Dataset Item 56	None
GOOSEOut 2 Dataset Item 57	None
GOOSEOut 2 Dataset Item 58	None
GOOSEOut 2 Dataset Item 59	None
GOOSEOut 2 Dataset Item 60	None
GOOSEOut 2 Dataset Item 61	None
GOOSEOut 2 Dataset Item 62	None
GOOSEOut 2 Dataset Item 63	None
GOOSEOut 2 Dataset Item 64	None
GOOSEOut 3 Function	Disabled
GOOSEOut 3 ID	GOOSEOut_3
GOOSEOut 3 Destination MAC	00 00 00 00 00 00
GOOSEOut 3 VLAN Priority	4
GOOSEOut 3 VLAN ID	0
GOOSEOut 3 ETYPE APPID	0
GOOSEOut 3 ConfRev	1
GOOSEOut 3 Retransmission Curve	Relaxed
GOOSEOut 3 Dataset Item 1	None
GOOSEOut 3 Dataset Item 2	None
GOOSEOut 3 Dataset Item 3	None
GOOSEOut 3 Dataset Item 4	None
GOOSEOut 3 Dataset Item 5	None
GOOSEOut 3 Dataset Item 6	None
GOOSEOut 3 Dataset Item 7	None
GOOSEOut 3 Dataset Item 8	None
GOOSEOut 3 Dataset Item 9	None
GOOSEOut 3 Dataset Item 10	None
GOOSEOut 3 Dataset Item 11	None
GOOSEOut 3 Dataset Item 12	None
GOOSEOut 3 Dataset Item 13	None
GOOSEOut 3 Dataset Item 14	None
GOOSEOut 3 Dataset Item 15	None
GOOSEOut 3 Dataset Item 16	None
GOOSEOut 3 Dataset Item 17	None
GOOSEOut 3 Dataset Item 18	None
GOOSEOut 3 Dataset Item 19	None
GOOSEOut 3 Dataset Item 20	None
GOOSEOut 3 Dataset Item 21	None
GOOSEOut 3 Dataset Item 22	None
GOOSEOut 3 Dataset Item 23	None
GOOSEOut 3 Dataset Item 24	None
GOOSEOut 3 Dataset Item 25	None
GOOSEOut 3 Dataset Item 26	None
GOOSEOut 3 Dataset Item 27	None
GOOSEOut 3 Dataset Item 28	None
GOOSEOut 3 Dataset Item 29	None
GOOSEOut 3 Dataset Item 30	None
GOOSEOut 3 Dataset Item 31	None
GOOSEOut 3 Dataset Item 32	None
GOOSEOut 3 Dataset Item 33	None
GOOSEOut 3 Dataset Item 34	None
GOOSEOut 3 Dataset Item 35	None
GOOSEOut 3 Dataset Item 36	None
GOOSEOut 3 Dataset Item 37	None
GOOSEOut 3 Dataset Item 38	None
GOOSEOut 3 Dataset Item 39	None
GOOSEOut 3 Dataset Item 40	None
GOOSEOut 3 Dataset Item 41	None
GOOSEOut 3 Dataset Item 42	None
GOOSEOut 3 Dataset Item 43	None
GOOSEOut 3 Dataset Item 44	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 3 Dataset Item 45	None
GOOSEOut 3 Dataset Item 46	None
GOOSEOut 3 Dataset Item 47	None
GOOSEOut 3 Dataset Item 48	None
GOOSEOut 3 Dataset Item 49	None
GOOSEOut 3 Dataset Item 50	None
GOOSEOut 3 Dataset Item 51	None
GOOSEOut 3 Dataset Item 52	None
GOOSEOut 3 Dataset Item 53	None
GOOSEOut 3 Dataset Item 54	None
GOOSEOut 3 Dataset Item 55	None
GOOSEOut 3 Dataset Item 56	None
GOOSEOut 3 Dataset Item 57	None
GOOSEOut 3 Dataset Item 58	None
GOOSEOut 3 Dataset Item 59	None
GOOSEOut 3 Dataset Item 60	None
GOOSEOut 3 Dataset Item 61	None
GOOSEOut 3 Dataset Item 62	None
GOOSEOut 3 Dataset Item 63	None
GOOSEOut 3 Dataset Item 64	None
GOOSEOut 4 Function	Disabled
GOOSEOut 4 ID	GOOSEOut_4
GOOSEOut 4 Destination MAC	00 00 00 00 00 00
GOOSEOut 4 VLAN Priority	4
GOOSEOut 4 VLAN ID	0
GOOSEOut 4 ETYPE APPID	0
GOOSEOut 4 ConfRev	1
GOOSEOut 4 Retransmission Curve	Relaxed
GOOSEOut 4 Dataset Item 1	None
GOOSEOut 4 Dataset Item 2	None
GOOSEOut 4 Dataset Item 3	None
GOOSEOut 4 Dataset Item 4	None
GOOSEOut 4 Dataset Item 5	None
GOOSEOut 4 Dataset Item 6	None
GOOSEOut 4 Dataset Item 7	None
GOOSEOut 4 Dataset Item 8	None
GOOSEOut 4 Dataset Item 9	None
GOOSEOut 4 Dataset Item 10	None
GOOSEOut 4 Dataset Item 11	None
GOOSEOut 4 Dataset Item 12	None
GOOSEOut 4 Dataset Item 13	None
GOOSEOut 4 Dataset Item 14	None
GOOSEOut 4 Dataset Item 15	None
GOOSEOut 4 Dataset Item 16	None
GOOSEOut 4 Dataset Item 17	None
GOOSEOut 4 Dataset Item 18	None
GOOSEOut 4 Dataset Item 19	None
GOOSEOut 4 Dataset Item 20	None
GOOSEOut 4 Dataset Item 21	None
GOOSEOut 4 Dataset Item 22	None
GOOSEOut 4 Dataset Item 23	None
GOOSEOut 4 Dataset Item 24	None
GOOSEOut 4 Dataset Item 25	None
GOOSEOut 4 Dataset Item 26	None
GOOSEOut 4 Dataset Item 27	None
GOOSEOut 4 Dataset Item 28	None
GOOSEOut 4 Dataset Item 29	None
GOOSEOut 4 Dataset Item 30	None
GOOSEOut 4 Dataset Item 31	None
GOOSEOut 4 Dataset Item 32	None
GOOSEOut 4 Dataset Item 33	None
GOOSEOut 4 Dataset Item 34	None
GOOSEOut 4 Dataset Item 35	None
GOOSEOut 4 Dataset Item 36	None
GOOSEOut 4 Dataset Item 37	None
GOOSEOut 4 Dataset Item 38	None
GOOSEOut 4 Dataset Item 39	None
GOOSEOut 4 Dataset Item 40	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 4 Dataset Item 41	None
GOOSEOut 4 Dataset Item 42	None
GOOSEOut 4 Dataset Item 43	None
GOOSEOut 4 Dataset Item 44	None
GOOSEOut 4 Dataset Item 45	None
GOOSEOut 4 Dataset Item 46	None
GOOSEOut 4 Dataset Item 47	None
GOOSEOut 4 Dataset Item 48	None
GOOSEOut 4 Dataset Item 49	None
GOOSEOut 4 Dataset Item 50	None
GOOSEOut 4 Dataset Item 51	None
GOOSEOut 4 Dataset Item 52	None
GOOSEOut 4 Dataset Item 53	None
GOOSEOut 4 Dataset Item 54	None
GOOSEOut 4 Dataset Item 55	None
GOOSEOut 4 Dataset Item 56	None
GOOSEOut 4 Dataset Item 57	None
GOOSEOut 4 Dataset Item 58	None
GOOSEOut 4 Dataset Item 59	None
GOOSEOut 4 Dataset Item 60	None
GOOSEOut 4 Dataset Item 61	None
GOOSEOut 4 Dataset Item 62	None
GOOSEOut 4 Dataset Item 63	None
GOOSEOut 4 Dataset Item 64	None
GOOSEOut 5 Function	Enabled
GOOSEOut 5 ID	AN-5-EML-PAR-B3-21S2-D60
GOOSEOut 5 Destination MAC	00 00 00 00 00 00
GOOSEOut 5 VLAN Priority	4
GOOSEOut 5 VLAN ID	0
GOOSEOut 5 ETYPE APPID	0
GOOSEOut 5 ConfRev	1
GOOSEOut 5 Retransmission Curve	Relaxed
GOOSEOut 5 Dataset Item 1	GGIO4.MX.AnIn1.mag.f
GOOSEOut 5 Dataset Item 2	GGIO4.MX.AnIn2.mag.f
GOOSEOut 5 Dataset Item 3	GGIO4.MX.AnIn3.mag.f
GOOSEOut 5 Dataset Item 4	GGIO4.MX.AnIn4.mag.f
GOOSEOut 5 Dataset Item 5	GGIO4.MX.AnIn5.mag.f
GOOSEOut 5 Dataset Item 6	GGIO4.MX.AnIn6.mag.f
GOOSEOut 5 Dataset Item 7	GGIO4.MX.AnIn7.mag.f
GOOSEOut 5 Dataset Item 8	GGIO4.MX.AnIn8.mag.f
GOOSEOut 5 Dataset Item 9	GGIO4.MX.AnIn9.mag.f
GOOSEOut 5 Dataset Item 10	GGIO4.MX.AnIn10.mag.f
GOOSEOut 5 Dataset Item 11	GGIO4.MX.AnIn11.mag.f
GOOSEOut 5 Dataset Item 12	GGIO4.MX.AnIn12.mag.f
GOOSEOut 5 Dataset Item 13	GGIO4.MX.AnIn13.mag.f
GOOSEOut 5 Dataset Item 14	GGIO4.MX.AnIn14.mag.f
GOOSEOut 5 Dataset Item 15	GGIO4.MX.AnIn15.mag.f
GOOSEOut 5 Dataset Item 16	None
GOOSEOut 5 Dataset Item 17	None
GOOSEOut 5 Dataset Item 18	None
GOOSEOut 5 Dataset Item 19	None
GOOSEOut 5 Dataset Item 20	None
GOOSEOut 5 Dataset Item 21	None
GOOSEOut 5 Dataset Item 22	None
GOOSEOut 5 Dataset Item 23	None
GOOSEOut 5 Dataset Item 24	None
GOOSEOut 5 Dataset Item 25	None
GOOSEOut 5 Dataset Item 26	None
GOOSEOut 5 Dataset Item 27	None
GOOSEOut 5 Dataset Item 28	None
GOOSEOut 5 Dataset Item 29	None
GOOSEOut 5 Dataset Item 30	None
GOOSEOut 5 Dataset Item 31	None
GOOSEOut 5 Dataset Item 32	None
GOOSEOut 5 Dataset Item 33	None
GOOSEOut 5 Dataset Item 34	None
GOOSEOut 5 Dataset Item 35	None
GOOSEOut 5 Dataset Item 36	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 5 Dataset Item 37	None
GOOSEOut 5 Dataset Item 38	None
GOOSEOut 5 Dataset Item 39	None
GOOSEOut 5 Dataset Item 40	None
GOOSEOut 5 Dataset Item 41	None
GOOSEOut 5 Dataset Item 42	None
GOOSEOut 5 Dataset Item 43	None
GOOSEOut 5 Dataset Item 44	None
GOOSEOut 5 Dataset Item 45	None
GOOSEOut 5 Dataset Item 46	None
GOOSEOut 5 Dataset Item 47	None
GOOSEOut 5 Dataset Item 48	None
GOOSEOut 5 Dataset Item 49	None
GOOSEOut 5 Dataset Item 50	None
GOOSEOut 5 Dataset Item 51	None
GOOSEOut 5 Dataset Item 52	None
GOOSEOut 5 Dataset Item 53	None
GOOSEOut 5 Dataset Item 54	None
GOOSEOut 5 Dataset Item 55	None
GOOSEOut 5 Dataset Item 56	None
GOOSEOut 5 Dataset Item 57	None
GOOSEOut 5 Dataset Item 58	None
GOOSEOut 5 Dataset Item 59	None
GOOSEOut 5 Dataset Item 60	None
GOOSEOut 5 Dataset Item 61	None
GOOSEOut 5 Dataset Item 62	None
GOOSEOut 5 Dataset Item 63	None
GOOSEOut 5 Dataset Item 64	None
GOOSEOut 6 Function	Disabled
GOOSEOut 6 ID	GOOSEOut_6
GOOSEOut 6 Destination MAC	00 00 00 00 00 00
GOOSEOut 6 VLAN Priority	4
GOOSEOut 6 VLAN ID	0
GOOSEOut 6 ETYPE APPID	0
GOOSEOut 6 ConfRev	1
GOOSEOut 6 Retransmission Curve	Relaxed
GOOSEOut 6 Dataset Item 1	None
GOOSEOut 6 Dataset Item 2	None
GOOSEOut 6 Dataset Item 3	None
GOOSEOut 6 Dataset Item 4	None
GOOSEOut 6 Dataset Item 5	None
GOOSEOut 6 Dataset Item 6	None
GOOSEOut 6 Dataset Item 7	None
GOOSEOut 6 Dataset Item 8	None
GOOSEOut 6 Dataset Item 9	None
GOOSEOut 6 Dataset Item 10	None
GOOSEOut 6 Dataset Item 11	None
GOOSEOut 6 Dataset Item 12	None
GOOSEOut 6 Dataset Item 13	None
GOOSEOut 6 Dataset Item 14	None
GOOSEOut 6 Dataset Item 15	None
GOOSEOut 6 Dataset Item 16	None
GOOSEOut 6 Dataset Item 17	None
GOOSEOut 6 Dataset Item 18	None
GOOSEOut 6 Dataset Item 19	None
GOOSEOut 6 Dataset Item 20	None
GOOSEOut 6 Dataset Item 21	None
GOOSEOut 6 Dataset Item 22	None
GOOSEOut 6 Dataset Item 23	None
GOOSEOut 6 Dataset Item 24	None
GOOSEOut 6 Dataset Item 25	None
GOOSEOut 6 Dataset Item 26	None
GOOSEOut 6 Dataset Item 27	None
GOOSEOut 6 Dataset Item 28	None
GOOSEOut 6 Dataset Item 29	None
GOOSEOut 6 Dataset Item 30	None
GOOSEOut 6 Dataset Item 31	None
GOOSEOut 6 Dataset Item 32	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 6 Dataset Item 33	None
GOOSEOut 6 Dataset Item 34	None
GOOSEOut 6 Dataset Item 35	None
GOOSEOut 6 Dataset Item 36	None
GOOSEOut 6 Dataset Item 37	None
GOOSEOut 6 Dataset Item 38	None
GOOSEOut 6 Dataset Item 39	None
GOOSEOut 6 Dataset Item 40	None
GOOSEOut 6 Dataset Item 41	None
GOOSEOut 6 Dataset Item 42	None
GOOSEOut 6 Dataset Item 43	None
GOOSEOut 6 Dataset Item 44	None
GOOSEOut 6 Dataset Item 45	None
GOOSEOut 6 Dataset Item 46	None
GOOSEOut 6 Dataset Item 47	None
GOOSEOut 6 Dataset Item 48	None
GOOSEOut 6 Dataset Item 49	None
GOOSEOut 6 Dataset Item 50	None
GOOSEOut 6 Dataset Item 51	None
GOOSEOut 6 Dataset Item 52	None
GOOSEOut 6 Dataset Item 53	None
GOOSEOut 6 Dataset Item 54	None
GOOSEOut 6 Dataset Item 55	None
GOOSEOut 6 Dataset Item 56	None
GOOSEOut 6 Dataset Item 57	None
GOOSEOut 6 Dataset Item 58	None
GOOSEOut 6 Dataset Item 59	None
GOOSEOut 6 Dataset Item 60	None
GOOSEOut 6 Dataset Item 61	None
GOOSEOut 6 Dataset Item 62	None
GOOSEOut 6 Dataset Item 63	None
GOOSEOut 6 Dataset Item 64	None
GOOSEOut 7 Function	Disabled
GOOSEOut 7 ID	GOOSEOut_7
GOOSEOut 7 Destination MAC	00 00 00 00 00 00
GOOSEOut 7 VLAN Priority	4
GOOSEOut 7 VLAN ID	0
GOOSEOut 7 ETYPE APPID	0
GOOSEOut 7 ConfRev	22
GOOSEOut 7 Retransmission Curve	Relaxed
GOOSEOut 7 Dataset Item 1	None
GOOSEOut 7 Dataset Item 2	None
GOOSEOut 7 Dataset Item 3	None
GOOSEOut 7 Dataset Item 4	None
GOOSEOut 7 Dataset Item 5	None
GOOSEOut 7 Dataset Item 6	None
GOOSEOut 7 Dataset Item 7	None
GOOSEOut 7 Dataset Item 8	None
GOOSEOut 7 Dataset Item 9	None
GOOSEOut 7 Dataset Item 10	None
GOOSEOut 7 Dataset Item 11	None
GOOSEOut 7 Dataset Item 12	None
GOOSEOut 7 Dataset Item 13	None
GOOSEOut 7 Dataset Item 14	None
GOOSEOut 7 Dataset Item 15	None
GOOSEOut 7 Dataset Item 16	None
GOOSEOut 7 Dataset Item 17	None
GOOSEOut 7 Dataset Item 18	None
GOOSEOut 7 Dataset Item 19	None
GOOSEOut 7 Dataset Item 20	None
GOOSEOut 7 Dataset Item 21	None
GOOSEOut 7 Dataset Item 22	None
GOOSEOut 7 Dataset Item 23	None
GOOSEOut 7 Dataset Item 24	None
GOOSEOut 7 Dataset Item 25	None
GOOSEOut 7 Dataset Item 26	None
GOOSEOut 7 Dataset Item 27	None
GOOSEOut 7 Dataset Item 28	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 7 Dataset Item 29	None
GOOSEOut 7 Dataset Item 30	None
GOOSEOut 7 Dataset Item 31	None
GOOSEOut 7 Dataset Item 32	None
GOOSEOut 7 Dataset Item 33	None
GOOSEOut 7 Dataset Item 34	None
GOOSEOut 7 Dataset Item 35	None
GOOSEOut 7 Dataset Item 36	None
GOOSEOut 7 Dataset Item 37	None
GOOSEOut 7 Dataset Item 38	None
GOOSEOut 7 Dataset Item 39	None
GOOSEOut 7 Dataset Item 40	None
GOOSEOut 7 Dataset Item 41	None
GOOSEOut 7 Dataset Item 42	None
GOOSEOut 7 Dataset Item 43	None
GOOSEOut 7 Dataset Item 44	None
GOOSEOut 7 Dataset Item 45	None
GOOSEOut 7 Dataset Item 46	None
GOOSEOut 7 Dataset Item 47	None
GOOSEOut 7 Dataset Item 48	None
GOOSEOut 7 Dataset Item 49	None
GOOSEOut 7 Dataset Item 50	None
GOOSEOut 7 Dataset Item 51	None
GOOSEOut 7 Dataset Item 52	None
GOOSEOut 7 Dataset Item 53	None
GOOSEOut 7 Dataset Item 54	None
GOOSEOut 7 Dataset Item 55	None
GOOSEOut 7 Dataset Item 56	None
GOOSEOut 7 Dataset Item 57	None
GOOSEOut 7 Dataset Item 58	None
GOOSEOut 7 Dataset Item 59	None
GOOSEOut 7 Dataset Item 60	None
GOOSEOut 7 Dataset Item 61	None
GOOSEOut 7 Dataset Item 62	None
GOOSEOut 7 Dataset Item 63	None
GOOSEOut 7 Dataset Item 64	None
GOOSEOut 8 Function	Disabled
GOOSEOut 8 ID	GOOSEOut_8
GOOSEOut 8 Destination MAC	00 00 00 00 00 00
GOOSEOut 8 VLAN Priority	4
GOOSEOut 8 VLAN ID	0
GOOSEOut 8 ETYPE APPID	0
GOOSEOut 8 ConfRev	1
GOOSEOut 8 Retransmission Curve	Relaxed
GOOSEOut 8 Dataset Item 1	None
GOOSEOut 8 Dataset Item 2	None
GOOSEOut 8 Dataset Item 3	None
GOOSEOut 8 Dataset Item 4	None
GOOSEOut 8 Dataset Item 5	None
GOOSEOut 8 Dataset Item 6	None
GOOSEOut 8 Dataset Item 7	None
GOOSEOut 8 Dataset Item 8	None
GOOSEOut 8 Dataset Item 9	None
GOOSEOut 8 Dataset Item 10	None
GOOSEOut 8 Dataset Item 11	None
GOOSEOut 8 Dataset Item 12	None
GOOSEOut 8 Dataset Item 13	None
GOOSEOut 8 Dataset Item 14	None
GOOSEOut 8 Dataset Item 15	None
GOOSEOut 8 Dataset Item 16	None
GOOSEOut 8 Dataset Item 17	None
GOOSEOut 8 Dataset Item 18	None
GOOSEOut 8 Dataset Item 19	None
GOOSEOut 8 Dataset Item 20	None
GOOSEOut 8 Dataset Item 21	None
GOOSEOut 8 Dataset Item 22	None
GOOSEOut 8 Dataset Item 23	None
GOOSEOut 8 Dataset Item 24	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TX CONFIGURABLE GOOSE (continued from last page)

GOOSEOut 8 Dataset Item 25	None
GOOSEOut 8 Dataset Item 26	None
GOOSEOut 8 Dataset Item 27	None
GOOSEOut 8 Dataset Item 28	None
GOOSEOut 8 Dataset Item 29	None
GOOSEOut 8 Dataset Item 30	None
GOOSEOut 8 Dataset Item 31	None
GOOSEOut 8 Dataset Item 32	None
GOOSEOut 8 Dataset Item 33	None
GOOSEOut 8 Dataset Item 34	None
GOOSEOut 8 Dataset Item 35	None
GOOSEOut 8 Dataset Item 36	None
GOOSEOut 8 Dataset Item 37	None
GOOSEOut 8 Dataset Item 38	None
GOOSEOut 8 Dataset Item 39	None
GOOSEOut 8 Dataset Item 40	None
GOOSEOut 8 Dataset Item 41	None
GOOSEOut 8 Dataset Item 42	None
GOOSEOut 8 Dataset Item 43	None
GOOSEOut 8 Dataset Item 44	None
GOOSEOut 8 Dataset Item 45	None
GOOSEOut 8 Dataset Item 46	None
GOOSEOut 8 Dataset Item 47	None
GOOSEOut 8 Dataset Item 48	None
GOOSEOut 8 Dataset Item 49	None
GOOSEOut 8 Dataset Item 50	None
GOOSEOut 8 Dataset Item 51	None
GOOSEOut 8 Dataset Item 52	None
GOOSEOut 8 Dataset Item 53	None
GOOSEOut 8 Dataset Item 54	None
GOOSEOut 8 Dataset Item 55	None
GOOSEOut 8 Dataset Item 56	None
GOOSEOut 8 Dataset Item 57	None
GOOSEOut 8 Dataset Item 58	None
GOOSEOut 8 Dataset Item 59	None
GOOSEOut 8 Dataset Item 60	None
GOOSEOut 8 Dataset Item 61	None
GOOSEOut 8 Dataset Item 62	None
GOOSEOut 8 Dataset Item 63	None
GOOSEOut 8 Dataset Item 64	None

RECEPTION

RX CONFIGURABLE GOOSE

GOOSEIn 1 Dataset Item 1	None
GOOSEIn 1 Dataset Item 2	None
GOOSEIn 1 Dataset Item 3	None
GOOSEIn 1 Dataset Item 4	None
GOOSEIn 1 Dataset Item 5	None
GOOSEIn 1 Dataset Item 6	None
GOOSEIn 1 Dataset Item 7	None
GOOSEIn 1 Dataset Item 8	None
GOOSEIn 1 Dataset Item 9	None
GOOSEIn 1 Dataset Item 10	None
GOOSEIn 1 Dataset Item 11	None
GOOSEIn 1 Dataset Item 12	None
GOOSEIn 1 Dataset Item 13	None
GOOSEIn 1 Dataset Item 14	None
GOOSEIn 1 Dataset Item 15	None
GOOSEIn 1 Dataset Item 16	None
GOOSEIn 1 Dataset Item 17	None
GOOSEIn 1 Dataset Item 18	None
GOOSEIn 1 Dataset Item 19	None
GOOSEIn 1 Dataset Item 20	None
GOOSEIn 1 Dataset Item 21	None
GOOSEIn 1 Dataset Item 22	None
GOOSEIn 1 Dataset Item 23	None
GOOSEIn 1 Dataset Item 24	None
GOOSEIn 1 Dataset Item 25	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 1 Dataset Item 26	None
GOOSEIn 1 Dataset Item 27	None
GOOSEIn 1 Dataset Item 28	None
GOOSEIn 1 Dataset Item 29	None
GOOSEIn 1 Dataset Item 30	None
GOOSEIn 1 Dataset Item 31	None
GOOSEIn 1 Dataset Item 32	None
GOOSEIn 1 Dataset Item 33	None
GOOSEIn 1 Dataset Item 34	None
GOOSEIn 1 Dataset Item 35	None
GOOSEIn 1 Dataset Item 36	None
GOOSEIn 1 Dataset Item 37	None
GOOSEIn 1 Dataset Item 38	None
GOOSEIn 1 Dataset Item 39	None
GOOSEIn 1 Dataset Item 40	None
GOOSEIn 1 Dataset Item 41	None
GOOSEIn 1 Dataset Item 42	None
GOOSEIn 1 Dataset Item 43	None
GOOSEIn 1 Dataset Item 44	None
GOOSEIn 1 Dataset Item 45	None
GOOSEIn 1 Dataset Item 46	None
GOOSEIn 1 Dataset Item 47	None
GOOSEIn 1 Dataset Item 48	None
GOOSEIn 1 Dataset Item 49	None
GOOSEIn 1 Dataset Item 50	None
GOOSEIn 1 Dataset Item 51	None
GOOSEIn 1 Dataset Item 52	None
GOOSEIn 1 Dataset Item 53	None
GOOSEIn 1 Dataset Item 54	None
GOOSEIn 1 Dataset Item 55	None
GOOSEIn 1 Dataset Item 56	None
GOOSEIn 1 Dataset Item 57	None
GOOSEIn 1 Dataset Item 58	None
GOOSEIn 1 Dataset Item 59	None
GOOSEIn 1 Dataset Item 60	None
GOOSEIn 1 Dataset Item 61	None
GOOSEIn 1 Dataset Item 62	None
GOOSEIn 1 Dataset Item 63	None
GOOSEIn 1 Dataset Item 64	None
GOOSEIn 2 Dataset Item 1	None
GOOSEIn 2 Dataset Item 2	None
GOOSEIn 2 Dataset Item 3	None
GOOSEIn 2 Dataset Item 4	None
GOOSEIn 2 Dataset Item 5	None
GOOSEIn 2 Dataset Item 6	None
GOOSEIn 2 Dataset Item 7	None
GOOSEIn 2 Dataset Item 8	None
GOOSEIn 2 Dataset Item 9	None
GOOSEIn 2 Dataset Item 10	None
GOOSEIn 2 Dataset Item 11	None
GOOSEIn 2 Dataset Item 12	None
GOOSEIn 2 Dataset Item 13	None
GOOSEIn 2 Dataset Item 14	None
GOOSEIn 2 Dataset Item 15	None
GOOSEIn 2 Dataset Item 16	None
GOOSEIn 2 Dataset Item 17	None
GOOSEIn 2 Dataset Item 18	None
GOOSEIn 2 Dataset Item 19	None
GOOSEIn 2 Dataset Item 20	None
GOOSEIn 2 Dataset Item 21	None
GOOSEIn 2 Dataset Item 22	None
GOOSEIn 2 Dataset Item 23	None
GOOSEIn 2 Dataset Item 24	None
GOOSEIn 2 Dataset Item 25	None
GOOSEIn 2 Dataset Item 26	None
GOOSEIn 2 Dataset Item 27	None
GOOSEIn 2 Dataset Item 28	None
GOOSEIn 2 Dataset Item 29	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 2 Dataset Item 30	None
GOOSEIn 2 Dataset Item 31	None
GOOSEIn 2 Dataset Item 32	None
GOOSEIn 2 Dataset Item 33	None
GOOSEIn 2 Dataset Item 34	None
GOOSEIn 2 Dataset Item 35	None
GOOSEIn 2 Dataset Item 36	None
GOOSEIn 2 Dataset Item 37	None
GOOSEIn 2 Dataset Item 38	None
GOOSEIn 2 Dataset Item 39	None
GOOSEIn 2 Dataset Item 40	None
GOOSEIn 2 Dataset Item 41	None
GOOSEIn 2 Dataset Item 42	None
GOOSEIn 2 Dataset Item 43	None
GOOSEIn 2 Dataset Item 44	None
GOOSEIn 2 Dataset Item 45	None
GOOSEIn 2 Dataset Item 46	None
GOOSEIn 2 Dataset Item 47	None
GOOSEIn 2 Dataset Item 48	None
GOOSEIn 2 Dataset Item 49	None
GOOSEIn 2 Dataset Item 50	None
GOOSEIn 2 Dataset Item 51	None
GOOSEIn 2 Dataset Item 52	None
GOOSEIn 2 Dataset Item 53	None
GOOSEIn 2 Dataset Item 54	None
GOOSEIn 2 Dataset Item 55	None
GOOSEIn 2 Dataset Item 56	None
GOOSEIn 2 Dataset Item 57	None
GOOSEIn 2 Dataset Item 58	None
GOOSEIn 2 Dataset Item 59	None
GOOSEIn 2 Dataset Item 60	None
GOOSEIn 2 Dataset Item 61	None
GOOSEIn 2 Dataset Item 62	None
GOOSEIn 2 Dataset Item 63	None
GOOSEIn 2 Dataset Item 64	None
GOOSEIn 3 Dataset Item 1	None
GOOSEIn 3 Dataset Item 2	None
GOOSEIn 3 Dataset Item 3	None
GOOSEIn 3 Dataset Item 4	None
GOOSEIn 3 Dataset Item 5	None
GOOSEIn 3 Dataset Item 6	None
GOOSEIn 3 Dataset Item 7	None
GOOSEIn 3 Dataset Item 8	None
GOOSEIn 3 Dataset Item 9	None
GOOSEIn 3 Dataset Item 10	None
GOOSEIn 3 Dataset Item 11	None
GOOSEIn 3 Dataset Item 12	None
GOOSEIn 3 Dataset Item 13	None
GOOSEIn 3 Dataset Item 14	None
GOOSEIn 3 Dataset Item 15	None
GOOSEIn 3 Dataset Item 16	None
GOOSEIn 3 Dataset Item 17	None
GOOSEIn 3 Dataset Item 18	None
GOOSEIn 3 Dataset Item 19	None
GOOSEIn 3 Dataset Item 20	None
GOOSEIn 3 Dataset Item 21	None
GOOSEIn 3 Dataset Item 22	None
GOOSEIn 3 Dataset Item 23	None
GOOSEIn 3 Dataset Item 24	None
GOOSEIn 3 Dataset Item 25	None
GOOSEIn 3 Dataset Item 26	None
GOOSEIn 3 Dataset Item 27	None
GOOSEIn 3 Dataset Item 28	None
GOOSEIn 3 Dataset Item 29	None
GOOSEIn 3 Dataset Item 30	None
GOOSEIn 3 Dataset Item 31	None
GOOSEIn 3 Dataset Item 32	None
GOOSEIn 3 Dataset Item 33	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 3 Dataset Item 34	None
GOOSEIn 3 Dataset Item 35	None
GOOSEIn 3 Dataset Item 36	None
GOOSEIn 3 Dataset Item 37	None
GOOSEIn 3 Dataset Item 38	None
GOOSEIn 3 Dataset Item 39	None
GOOSEIn 3 Dataset Item 40	None
GOOSEIn 3 Dataset Item 41	None
GOOSEIn 3 Dataset Item 42	None
GOOSEIn 3 Dataset Item 43	None
GOOSEIn 3 Dataset Item 44	None
GOOSEIn 3 Dataset Item 45	None
GOOSEIn 3 Dataset Item 46	None
GOOSEIn 3 Dataset Item 47	None
GOOSEIn 3 Dataset Item 48	None
GOOSEIn 3 Dataset Item 49	None
GOOSEIn 3 Dataset Item 50	None
GOOSEIn 3 Dataset Item 51	None
GOOSEIn 3 Dataset Item 52	None
GOOSEIn 3 Dataset Item 53	None
GOOSEIn 3 Dataset Item 54	None
GOOSEIn 3 Dataset Item 55	None
GOOSEIn 3 Dataset Item 56	None
GOOSEIn 3 Dataset Item 57	None
GOOSEIn 3 Dataset Item 58	None
GOOSEIn 3 Dataset Item 59	None
GOOSEIn 3 Dataset Item 60	None
GOOSEIn 3 Dataset Item 61	None
GOOSEIn 3 Dataset Item 62	None
GOOSEIn 3 Dataset Item 63	None
GOOSEIn 3 Dataset Item 64	None
GOOSEIn 4 Dataset Item 1	None
GOOSEIn 4 Dataset Item 2	None
GOOSEIn 4 Dataset Item 3	None
GOOSEIn 4 Dataset Item 4	None
GOOSEIn 4 Dataset Item 5	None
GOOSEIn 4 Dataset Item 6	None
GOOSEIn 4 Dataset Item 7	None
GOOSEIn 4 Dataset Item 8	None
GOOSEIn 4 Dataset Item 9	None
GOOSEIn 4 Dataset Item 10	None
GOOSEIn 4 Dataset Item 11	None
GOOSEIn 4 Dataset Item 12	None
GOOSEIn 4 Dataset Item 13	None
GOOSEIn 4 Dataset Item 14	None
GOOSEIn 4 Dataset Item 15	None
GOOSEIn 4 Dataset Item 16	None
GOOSEIn 4 Dataset Item 17	None
GOOSEIn 4 Dataset Item 18	None
GOOSEIn 4 Dataset Item 19	None
GOOSEIn 4 Dataset Item 20	None
GOOSEIn 4 Dataset Item 21	None
GOOSEIn 4 Dataset Item 22	None
GOOSEIn 4 Dataset Item 23	None
GOOSEIn 4 Dataset Item 24	None
GOOSEIn 4 Dataset Item 25	None
GOOSEIn 4 Dataset Item 26	None
GOOSEIn 4 Dataset Item 27	None
GOOSEIn 4 Dataset Item 28	None
GOOSEIn 4 Dataset Item 29	None
GOOSEIn 4 Dataset Item 30	None
GOOSEIn 4 Dataset Item 31	None
GOOSEIn 4 Dataset Item 32	None
GOOSEIn 4 Dataset Item 33	None
GOOSEIn 4 Dataset Item 34	None
GOOSEIn 4 Dataset Item 35	None
GOOSEIn 4 Dataset Item 36	None
GOOSEIn 4 Dataset Item 37	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 4 Dataset Item 38	None
GOOSEIn 4 Dataset Item 39	None
GOOSEIn 4 Dataset Item 40	None
GOOSEIn 4 Dataset Item 41	None
GOOSEIn 4 Dataset Item 42	None
GOOSEIn 4 Dataset Item 43	None
GOOSEIn 4 Dataset Item 44	None
GOOSEIn 4 Dataset Item 45	None
GOOSEIn 4 Dataset Item 46	None
GOOSEIn 4 Dataset Item 47	None
GOOSEIn 4 Dataset Item 48	None
GOOSEIn 4 Dataset Item 49	None
GOOSEIn 4 Dataset Item 50	None
GOOSEIn 4 Dataset Item 51	None
GOOSEIn 4 Dataset Item 52	None
GOOSEIn 4 Dataset Item 53	None
GOOSEIn 4 Dataset Item 54	None
GOOSEIn 4 Dataset Item 55	None
GOOSEIn 4 Dataset Item 56	None
GOOSEIn 4 Dataset Item 57	None
GOOSEIn 4 Dataset Item 58	None
GOOSEIn 4 Dataset Item 59	None
GOOSEIn 4 Dataset Item 60	None
GOOSEIn 4 Dataset Item 61	None
GOOSEIn 4 Dataset Item 62	None
GOOSEIn 4 Dataset Item 63	None
GOOSEIn 4 Dataset Item 64	None
GOOSEIn 5 Dataset Item 1	None
GOOSEIn 5 Dataset Item 2	None
GOOSEIn 5 Dataset Item 3	None
GOOSEIn 5 Dataset Item 4	None
GOOSEIn 5 Dataset Item 5	None
GOOSEIn 5 Dataset Item 6	None
GOOSEIn 5 Dataset Item 7	None
GOOSEIn 5 Dataset Item 8	None
GOOSEIn 5 Dataset Item 9	None
GOOSEIn 5 Dataset Item 10	None
GOOSEIn 5 Dataset Item 11	None
GOOSEIn 5 Dataset Item 12	None
GOOSEIn 5 Dataset Item 13	None
GOOSEIn 5 Dataset Item 14	None
GOOSEIn 5 Dataset Item 15	None
GOOSEIn 5 Dataset Item 16	None
GOOSEIn 5 Dataset Item 17	None
GOOSEIn 5 Dataset Item 18	None
GOOSEIn 5 Dataset Item 19	None
GOOSEIn 5 Dataset Item 20	None
GOOSEIn 5 Dataset Item 21	None
GOOSEIn 5 Dataset Item 22	None
GOOSEIn 5 Dataset Item 23	None
GOOSEIn 5 Dataset Item 24	None
GOOSEIn 5 Dataset Item 25	None
GOOSEIn 5 Dataset Item 26	None
GOOSEIn 5 Dataset Item 27	None
GOOSEIn 5 Dataset Item 28	None
GOOSEIn 5 Dataset Item 29	None
GOOSEIn 5 Dataset Item 30	None
GOOSEIn 5 Dataset Item 31	None
GOOSEIn 5 Dataset Item 32	None
GOOSEIn 5 Dataset Item 33	None
GOOSEIn 5 Dataset Item 34	None
GOOSEIn 5 Dataset Item 35	None
GOOSEIn 5 Dataset Item 36	None
GOOSEIn 5 Dataset Item 37	None
GOOSEIn 5 Dataset Item 38	None
GOOSEIn 5 Dataset Item 39	None
GOOSEIn 5 Dataset Item 40	None
GOOSEIn 5 Dataset Item 41	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 5 Dataset Item 42	None
GOOSEIn 5 Dataset Item 43	None
GOOSEIn 5 Dataset Item 44	None
GOOSEIn 5 Dataset Item 45	None
GOOSEIn 5 Dataset Item 46	None
GOOSEIn 5 Dataset Item 47	None
GOOSEIn 5 Dataset Item 48	None
GOOSEIn 5 Dataset Item 49	None
GOOSEIn 5 Dataset Item 50	None
GOOSEIn 5 Dataset Item 51	None
GOOSEIn 5 Dataset Item 52	None
GOOSEIn 5 Dataset Item 53	None
GOOSEIn 5 Dataset Item 54	None
GOOSEIn 5 Dataset Item 55	None
GOOSEIn 5 Dataset Item 56	None
GOOSEIn 5 Dataset Item 57	None
GOOSEIn 5 Dataset Item 58	None
GOOSEIn 5 Dataset Item 59	None
GOOSEIn 5 Dataset Item 60	None
GOOSEIn 5 Dataset Item 61	None
GOOSEIn 5 Dataset Item 62	None
GOOSEIn 5 Dataset Item 63	None
GOOSEIn 5 Dataset Item 64	None
GOOSEIn 6 Dataset Item 1	None
GOOSEIn 6 Dataset Item 2	None
GOOSEIn 6 Dataset Item 3	None
GOOSEIn 6 Dataset Item 4	None
GOOSEIn 6 Dataset Item 5	None
GOOSEIn 6 Dataset Item 6	None
GOOSEIn 6 Dataset Item 7	None
GOOSEIn 6 Dataset Item 8	None
GOOSEIn 6 Dataset Item 9	None
GOOSEIn 6 Dataset Item 10	None
GOOSEIn 6 Dataset Item 11	None
GOOSEIn 6 Dataset Item 12	None
GOOSEIn 6 Dataset Item 13	None
GOOSEIn 6 Dataset Item 14	None
GOOSEIn 6 Dataset Item 15	None
GOOSEIn 6 Dataset Item 16	None
GOOSEIn 6 Dataset Item 17	None
GOOSEIn 6 Dataset Item 18	None
GOOSEIn 6 Dataset Item 19	None
GOOSEIn 6 Dataset Item 20	None
GOOSEIn 6 Dataset Item 21	None
GOOSEIn 6 Dataset Item 22	None
GOOSEIn 6 Dataset Item 23	None
GOOSEIn 6 Dataset Item 24	None
GOOSEIn 6 Dataset Item 25	None
GOOSEIn 6 Dataset Item 26	None
GOOSEIn 6 Dataset Item 27	None
GOOSEIn 6 Dataset Item 28	None
GOOSEIn 6 Dataset Item 29	None
GOOSEIn 6 Dataset Item 30	None
GOOSEIn 6 Dataset Item 31	None
GOOSEIn 6 Dataset Item 32	None
GOOSEIn 6 Dataset Item 33	None
GOOSEIn 6 Dataset Item 34	None
GOOSEIn 6 Dataset Item 35	None
GOOSEIn 6 Dataset Item 36	None
GOOSEIn 6 Dataset Item 37	None
GOOSEIn 6 Dataset Item 38	None
GOOSEIn 6 Dataset Item 39	None
GOOSEIn 6 Dataset Item 40	None
GOOSEIn 6 Dataset Item 41	None
GOOSEIn 6 Dataset Item 42	None
GOOSEIn 6 Dataset Item 43	None
GOOSEIn 6 Dataset Item 44	None
GOOSEIn 6 Dataset Item 45	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 6 Dataset Item 46	None
GOOSEIn 6 Dataset Item 47	None
GOOSEIn 6 Dataset Item 48	None
GOOSEIn 6 Dataset Item 49	None
GOOSEIn 6 Dataset Item 50	None
GOOSEIn 6 Dataset Item 51	None
GOOSEIn 6 Dataset Item 52	None
GOOSEIn 6 Dataset Item 53	None
GOOSEIn 6 Dataset Item 54	None
GOOSEIn 6 Dataset Item 55	None
GOOSEIn 6 Dataset Item 56	None
GOOSEIn 6 Dataset Item 57	None
GOOSEIn 6 Dataset Item 58	None
GOOSEIn 6 Dataset Item 59	None
GOOSEIn 6 Dataset Item 60	None
GOOSEIn 6 Dataset Item 61	None
GOOSEIn 6 Dataset Item 62	None
GOOSEIn 6 Dataset Item 63	None
GOOSEIn 6 Dataset Item 64	None
GOOSEIn 7 Dataset Item 1	None
GOOSEIn 7 Dataset Item 2	None
GOOSEIn 7 Dataset Item 3	None
GOOSEIn 7 Dataset Item 4	None
GOOSEIn 7 Dataset Item 5	None
GOOSEIn 7 Dataset Item 6	None
GOOSEIn 7 Dataset Item 7	None
GOOSEIn 7 Dataset Item 8	None
GOOSEIn 7 Dataset Item 9	None
GOOSEIn 7 Dataset Item 10	None
GOOSEIn 7 Dataset Item 11	None
GOOSEIn 7 Dataset Item 12	None
GOOSEIn 7 Dataset Item 13	None
GOOSEIn 7 Dataset Item 14	None
GOOSEIn 7 Dataset Item 15	None
GOOSEIn 7 Dataset Item 16	None
GOOSEIn 7 Dataset Item 17	None
GOOSEIn 7 Dataset Item 18	None
GOOSEIn 7 Dataset Item 19	None
GOOSEIn 7 Dataset Item 20	None
GOOSEIn 7 Dataset Item 21	None
GOOSEIn 7 Dataset Item 22	None
GOOSEIn 7 Dataset Item 23	None
GOOSEIn 7 Dataset Item 24	None
GOOSEIn 7 Dataset Item 25	None
GOOSEIn 7 Dataset Item 26	None
GOOSEIn 7 Dataset Item 27	None
GOOSEIn 7 Dataset Item 28	None
GOOSEIn 7 Dataset Item 29	None
GOOSEIn 7 Dataset Item 30	None
GOOSEIn 7 Dataset Item 31	None
GOOSEIn 7 Dataset Item 32	None
GOOSEIn 7 Dataset Item 33	None
GOOSEIn 7 Dataset Item 34	None
GOOSEIn 7 Dataset Item 35	None
GOOSEIn 7 Dataset Item 36	None
GOOSEIn 7 Dataset Item 37	None
GOOSEIn 7 Dataset Item 38	None
GOOSEIn 7 Dataset Item 39	None
GOOSEIn 7 Dataset Item 40	None
GOOSEIn 7 Dataset Item 41	None
GOOSEIn 7 Dataset Item 42	None
GOOSEIn 7 Dataset Item 43	None
GOOSEIn 7 Dataset Item 44	None
GOOSEIn 7 Dataset Item 45	None
GOOSEIn 7 Dataset Item 46	None
GOOSEIn 7 Dataset Item 47	None
GOOSEIn 7 Dataset Item 48	None
GOOSEIn 7 Dataset Item 49	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 7 Dataset Item 50	None
GOOSEIn 7 Dataset Item 51	None
GOOSEIn 7 Dataset Item 52	None
GOOSEIn 7 Dataset Item 53	None
GOOSEIn 7 Dataset Item 54	None
GOOSEIn 7 Dataset Item 55	None
GOOSEIn 7 Dataset Item 56	None
GOOSEIn 7 Dataset Item 57	None
GOOSEIn 7 Dataset Item 58	None
GOOSEIn 7 Dataset Item 59	None
GOOSEIn 7 Dataset Item 60	None
GOOSEIn 7 Dataset Item 61	None
GOOSEIn 7 Dataset Item 62	None
GOOSEIn 7 Dataset Item 63	None
GOOSEIn 7 Dataset Item 64	None
GOOSEIn 8 Dataset Item 1	None
GOOSEIn 8 Dataset Item 2	None
GOOSEIn 8 Dataset Item 3	None
GOOSEIn 8 Dataset Item 4	None
GOOSEIn 8 Dataset Item 5	None
GOOSEIn 8 Dataset Item 6	None
GOOSEIn 8 Dataset Item 7	None
GOOSEIn 8 Dataset Item 8	None
GOOSEIn 8 Dataset Item 9	None
GOOSEIn 8 Dataset Item 10	None
GOOSEIn 8 Dataset Item 11	None
GOOSEIn 8 Dataset Item 12	None
GOOSEIn 8 Dataset Item 13	None
GOOSEIn 8 Dataset Item 14	None
GOOSEIn 8 Dataset Item 15	None
GOOSEIn 8 Dataset Item 16	None
GOOSEIn 8 Dataset Item 17	None
GOOSEIn 8 Dataset Item 18	None
GOOSEIn 8 Dataset Item 19	None
GOOSEIn 8 Dataset Item 20	None
GOOSEIn 8 Dataset Item 21	None
GOOSEIn 8 Dataset Item 22	None
GOOSEIn 8 Dataset Item 23	None
GOOSEIn 8 Dataset Item 24	None
GOOSEIn 8 Dataset Item 25	None
GOOSEIn 8 Dataset Item 26	None
GOOSEIn 8 Dataset Item 27	None
GOOSEIn 8 Dataset Item 28	None
GOOSEIn 8 Dataset Item 29	None
GOOSEIn 8 Dataset Item 30	None
GOOSEIn 8 Dataset Item 31	None
GOOSEIn 8 Dataset Item 32	None
GOOSEIn 8 Dataset Item 33	None
GOOSEIn 8 Dataset Item 34	None
GOOSEIn 8 Dataset Item 35	None
GOOSEIn 8 Dataset Item 36	None
GOOSEIn 8 Dataset Item 37	None
GOOSEIn 8 Dataset Item 38	None
GOOSEIn 8 Dataset Item 39	None
GOOSEIn 8 Dataset Item 40	None
GOOSEIn 8 Dataset Item 41	None
GOOSEIn 8 Dataset Item 42	None
GOOSEIn 8 Dataset Item 43	None
GOOSEIn 8 Dataset Item 44	None
GOOSEIn 8 Dataset Item 45	None
GOOSEIn 8 Dataset Item 46	None
GOOSEIn 8 Dataset Item 47	None
GOOSEIn 8 Dataset Item 48	None
GOOSEIn 8 Dataset Item 49	None
GOOSEIn 8 Dataset Item 50	None
GOOSEIn 8 Dataset Item 51	None
GOOSEIn 8 Dataset Item 52	None
GOOSEIn 8 Dataset Item 53	None

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

RX CONFIGURABLE GOOSE (continued from last page)

GOOSEIn 8 Dataset Item 54	None
GOOSEIn 8 Dataset Item 55	None
GOOSEIn 8 Dataset Item 56	None
GOOSEIn 8 Dataset Item 57	None
GOOSEIn 8 Dataset Item 58	None
GOOSEIn 8 Dataset Item 59	None
GOOSEIn 8 Dataset Item 60	None
GOOSEIn 8 Dataset Item 61	None
GOOSEIn 8 Dataset Item 62	None
GOOSEIn 8 Dataset Item 63	None
GOOSEIn 8 Dataset Item 64	None

SERVER CONFIGURATION

IEDName	IEDName
Logical Device Instance	LDInst
MMS TCP Port Number	102
Include NON-IEC Data	Disabled
Server Scanning	Enabled
LPHD DC PhyNam location	Location

LOGICAL NODE PREFIXES

CSW11 LN Prefix
 CSW12 LN Prefix
 CSW13 LN Prefix
 CSW14 LN Prefix
 CSW15 LN Prefix
 CSW16 LN Prefix
 CSW17 LN Prefix
 CSW18 LN Prefix
 CSW19 LN Prefix
 CSW110 LN Prefix
 GGIO1 LN Prefix
 GGIO2 LN Prefix
 GGIO3 LN Prefix
 GGIO4 LN Prefix
 GGIO5 LN Prefix
 LPHD1 LN Prefix
 MMXU1 LN Prefix
 MMXU2 LN Prefix
 PDIS1 LN Prefix
 PDIS2 LN Prefix
 PDIS3 LN Prefix
 PDIS4 LN Prefix
 PDIS5 LN Prefix
 PDIS6 LN Prefix
 PDIS7 LN Prefix
 PDIS8 LN Prefix
 PDIS9 LN Prefix
 PDIS10 LN Prefix
 PIOC1 LN Prefix
 PIOC2 LN Prefix
 PIOC3 LN Prefix
 PIOC4 LN Prefix
 PIOC5 LN Prefix
 PIOC6 LN Prefix
 PIOC7 LN Prefix
 PIOC8 LN Prefix
 PTOC1 LN Prefix
 PTOC2 LN Prefix
 PTOC3 LN Prefix
 PTOC4 LN Prefix
 PTOC5 LN Prefix
 PTOC6 LN Prefix
 PTOC7 LN Prefix
 PTOC8 LN Prefix
 PTOC9 LN Prefix
 PTOC10 LN Prefix
 PTOC11 LN Prefix

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOGICAL NODE PREFIXES (continued from last page)

PTOC12 LN Prefix
 PTOV1 LN Prefix
 PTOV2 LN Prefix
 PTOV3 LN Prefix
 PTOV4 LN Prefix
 PTOV5 LN Prefix
 PTOV6 LN Prefix
 PTOV7 LN Prefix
 PTOV8 LN Prefix
 PTRC1 LN Prefix
 PTRC2 LN Prefix
 PTUV1 LN Prefix
 PTUV2 LN Prefix
 PTUV3 LN Prefix
 PTUV4 LN Prefix
 RBRF1 LN Prefix
 RBRF2 LN Prefix
 RFLO1 LN Prefix
 RPSB1 LN Prefix
 RREC1 LN Prefix
 XCBR1 LN Prefix
 XCBR2 LN Prefix
 XSW11 LN Prefix
 XSW12 LN Prefix
 XSW13 LN Prefix
 XSW14 LN Prefix
 XSW15 LN Prefix
 XSW16 LN Prefix
 XSW17 LN Prefix
 XSW18 LN Prefix

MMXU DEADBANDS

MMXU1: TotW Deadband	10.000 %
MMXU1: TotVAr Deadband	10.000 %
MMXU1: TotVA Deadband	10.000 %
MMXU1: TotPF Deadband	10.000 %
MMXU1: Hz Deadband	10.000 %
MMXU1: PPV phsAB Deadband	10.000 %
MMXU1: PPV phsBC Deadband	10.000 %
MMXU1: PPV phsCA Deadband	10.000 %
MMXU1: PhV phsA Deadband	10.000 %
MMXU1: PhV phsB Deadband	10.000 %
MMXU1: PhV phsC Deadband	10.000 %
MMXU1: A phsA Deadband	10.000 %
MMXU1: A phsB Deadband	10.000 %
MMXU1: A phsC Deadband	10.000 %
MMXU1: A neut Deadband	10.000 %
MMXU1: W phsA Deadband	10.000 %
MMXU1: W phsB Deadband	10.000 %
MMXU1: W phsC Deadband	10.000 %
MMXU1: VAr phsA Deadband	10.000 %
MMXU1: VAr phsB Deadband	10.000 %
MMXU1: VAr phsC Deadband	10.000 %
MMXU1: VA phsA Deadband	10.000 %
MMXU1: VA phsB Deadband	10.000 %
MMXU1: VA phsC Deadband	10.000 %
MMXU1: PF phsA Deadband	10.000 %
MMXU1: PF phsB Deadband	10.000 %
MMXU1: PF phsC Deadband	10.000 %
MMXU2: TotW Deadband	10.000 %
MMXU2: TotVAr Deadband	10.000 %
MMXU2: TotVA Deadband	10.000 %
MMXU2: TotPF Deadband	10.000 %
MMXU2: Hz Deadband	10.000 %
MMXU2: PPV phsAB Deadband	10.000 %
MMXU2: PPV phsBC Deadband	10.000 %
MMXU2: PPV phsCA Deadband	10.000 %
MMXU2: PhV phsA Deadband	10.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MMXU DEADBANDS (continued from last page)

MMXU2: PhV phsB Deadband	10.000 %
MMXU2: PhV phsC Deadband	10.000 %
MMXU2: A phsA Deadband	10.000 %
MMXU2: A phsB Deadband	10.000 %
MMXU2: A phsC Deadband	10.000 %
MMXU2: A neut Deadband	10.000 %
MMXU2: W phsA Deadband	10.000 %
MMXU2: W phsB Deadband	10.000 %
MMXU2: W phsC Deadband	10.000 %
MMXU2: VAr phsA Deadband	10.000 %
MMXU2: VAr phsB Deadband	10.000 %
MMXU2: VAr phsC Deadband	10.000 %
MMXU2: VA phsA Deadband	10.000 %
MMXU2: VA phsB Deadband	10.000 %
MMXU2: VA phsC Deadband	10.000 %
MMXU2: PF phsA Deadband	10.000 %
MMXU2: PF phsB Deadband	10.000 %
MMXU2: PF phsC Deadband	10.000 %

GGIO1 STATUS CONFIGURATION

Number of Status Points	8
GGIO1 Indication 1	OFF
GGIO1 Indication 2	OFF
GGIO1 Indication 3	OFF
GGIO1 Indication 4	OFF
GGIO1 Indication 5	OFF
GGIO1 Indication 6	OFF
GGIO1 Indication 7	OFF
GGIO1 Indication 8	OFF
GGIO1 Indication 9	OFF
GGIO1 Indication 10	OFF
GGIO1 Indication 11	OFF
GGIO1 Indication 12	OFF
GGIO1 Indication 13	OFF
GGIO1 Indication 14	OFF
GGIO1 Indication 15	OFF
GGIO1 Indication 16	OFF
GGIO1 Indication 17	OFF
GGIO1 Indication 18	OFF
GGIO1 Indication 19	OFF
GGIO1 Indication 20	OFF
GGIO1 Indication 21	OFF
GGIO1 Indication 22	OFF
GGIO1 Indication 23	OFF
GGIO1 Indication 24	OFF
GGIO1 Indication 25	OFF
GGIO1 Indication 26	OFF
GGIO1 Indication 27	OFF
GGIO1 Indication 28	OFF
GGIO1 Indication 29	OFF
GGIO1 Indication 30	OFF
GGIO1 Indication 31	OFF
GGIO1 Indication 32	OFF
GGIO1 Indication 33	OFF
GGIO1 Indication 34	OFF
GGIO1 Indication 35	OFF
GGIO1 Indication 36	OFF
GGIO1 Indication 37	OFF
GGIO1 Indication 38	OFF
GGIO1 Indication 39	OFF
GGIO1 Indication 40	OFF
GGIO1 Indication 41	OFF
GGIO1 Indication 42	OFF
GGIO1 Indication 43	OFF
GGIO1 Indication 44	OFF
GGIO1 Indication 45	OFF
GGIO1 Indication 46	OFF
GGIO1 Indication 47	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO1 STATUS CONFIGURATION (continued from last page)

GGIO1 Indication 48	OFF
GGIO1 Indication 49	OFF
GGIO1 Indication 50	OFF
GGIO1 Indication 51	OFF
GGIO1 Indication 52	OFF
GGIO1 Indication 53	OFF
GGIO1 Indication 54	OFF
GGIO1 Indication 55	OFF
GGIO1 Indication 56	OFF
GGIO1 Indication 57	OFF
GGIO1 Indication 58	OFF
GGIO1 Indication 59	OFF
GGIO1 Indication 60	OFF
GGIO1 Indication 61	OFF
GGIO1 Indication 62	OFF
GGIO1 Indication 63	OFF
GGIO1 Indication 64	OFF
GGIO1 Indication 65	OFF
GGIO1 Indication 66	OFF
GGIO1 Indication 67	OFF
GGIO1 Indication 68	OFF
GGIO1 Indication 69	OFF
GGIO1 Indication 70	OFF
GGIO1 Indication 71	OFF
GGIO1 Indication 72	OFF
GGIO1 Indication 73	OFF
GGIO1 Indication 74	OFF
GGIO1 Indication 75	OFF
GGIO1 Indication 76	OFF
GGIO1 Indication 77	OFF
GGIO1 Indication 78	OFF
GGIO1 Indication 79	OFF
GGIO1 Indication 80	OFF
GGIO1 Indication 81	OFF
GGIO1 Indication 82	OFF
GGIO1 Indication 83	OFF
GGIO1 Indication 84	OFF
GGIO1 Indication 85	OFF
GGIO1 Indication 86	OFF
GGIO1 Indication 87	OFF
GGIO1 Indication 88	OFF
GGIO1 Indication 89	OFF
GGIO1 Indication 90	OFF
GGIO1 Indication 91	OFF
GGIO1 Indication 92	OFF
GGIO1 Indication 93	OFF
GGIO1 Indication 94	OFF
GGIO1 Indication 95	OFF
GGIO1 Indication 96	OFF
GGIO1 Indication 97	OFF
GGIO1 Indication 98	OFF
GGIO1 Indication 99	OFF
GGIO1 Indication 100	OFF
GGIO1 Indication 101	OFF
GGIO1 Indication 102	OFF
GGIO1 Indication 103	OFF
GGIO1 Indication 104	OFF
GGIO1 Indication 105	OFF
GGIO1 Indication 106	OFF
GGIO1 Indication 107	OFF
GGIO1 Indication 108	OFF
GGIO1 Indication 109	OFF
GGIO1 Indication 110	OFF
GGIO1 Indication 111	OFF
GGIO1 Indication 112	OFF
GGIO1 Indication 113	OFF
GGIO1 Indication 114	OFF
GGIO1 Indication 115	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO1 STATUS CONFIGURATION (continued from last page)

GGIO1 Indication 116	OFF
GGIO1 Indication 117	OFF
GGIO1 Indication 118	OFF
GGIO1 Indication 119	OFF
GGIO1 Indication 120	OFF
GGIO1 Indication 121	OFF
GGIO1 Indication 122	OFF
GGIO1 Indication 123	OFF
GGIO1 Indication 124	OFF
GGIO1 Indication 125	OFF
GGIO1 Indication 126	OFF
GGIO1 Indication 127	OFF
GGIO1 Indication 128	OFF

GGIO2 CONTROL CONFIGURATION

SPCSO 1 ctlModel	1
SPCSO 2 ctlModel	1
SPCSO 3 ctlModel	1
SPCSO 4 ctlModel	1
SPCSO 5 ctlModel	1
SPCSO 6 ctlModel	1
SPCSO 7 ctlModel	1
SPCSO 8 ctlModel	1
SPCSO 9 ctlModel	1
SPCSO 10 ctlModel	1
SPCSO 11 ctlModel	1
SPCSO 12 ctlModel	1
SPCSO 13 ctlModel	1
SPCSO 14 ctlModel	1
SPCSO 15 ctlModel	1
SPCSO 16 ctlModel	1
SPCSO 17 ctlModel	1
SPCSO 18 ctlModel	1
SPCSO 19 ctlModel	1
SPCSO 20 ctlModel	1
SPCSO 21 ctlModel	1
SPCSO 22 ctlModel	1
SPCSO 23 ctlModel	1
SPCSO 24 ctlModel	1
SPCSO 25 ctlModel	1
SPCSO 26 ctlModel	1
SPCSO 27 ctlModel	1
SPCSO 28 ctlModel	1
SPCSO 29 ctlModel	1
SPCSO 30 ctlModel	1
SPCSO 31 ctlModel	1
SPCSO 32 ctlModel	1
SPCSO 33 ctlModel	1
SPCSO 34 ctlModel	1
SPCSO 35 ctlModel	1
SPCSO 36 ctlModel	1
SPCSO 37 ctlModel	1
SPCSO 38 ctlModel	1
SPCSO 39 ctlModel	1
SPCSO 40 ctlModel	1
SPCSO 41 ctlModel	1
SPCSO 42 ctlModel	1
SPCSO 43 ctlModel	1
SPCSO 44 ctlModel	1
SPCSO 45 ctlModel	1
SPCSO 46 ctlModel	1
SPCSO 47 ctlModel	1
SPCSO 48 ctlModel	1
SPCSO 49 ctlModel	1
SPCSO 50 ctlModel	1
SPCSO 51 ctlModel	1
SPCSO 52 ctlModel	1
SPCSO 53 ctlModel	1

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO2 CONTROL CONFIGURATION (continued from last page)

SPCSO 54 ctlModel	1
SPCSO 55 ctlModel	1
SPCSO 56 ctlModel	1
SPCSO 57 ctlModel	1
SPCSO 58 ctlModel	1
SPCSO 59 ctlModel	1
SPCSO 60 ctlModel	1
SPCSO 61 ctlModel	1
SPCSO 62 ctlModel	1
SPCSO 63 ctlModel	1
SPCSO 64 ctlModel	1

GGIO4 ANALOG CONFIGURATION

IEC61850 GGIO4 Analogs	4
IEC61850 GGIO4 Analog 1 Value	OFF
IEC61850 GGIO4 Analog 1 db	100.000 %
IEC61850 GGIO4 Analog 1 min	0.000
IEC61850 GGIO4 Analog 1 max	1000000.000
IEC61850 GGIO4 Analog 2 Value	OFF
IEC61850 GGIO4 Analog 2 db	100.000 %
IEC61850 GGIO4 Analog 2 min	0.000
IEC61850 GGIO4 Analog 2 max	1000000.000
IEC61850 GGIO4 Analog 3 Value	OFF
IEC61850 GGIO4 Analog 3 db	100.000 %
IEC61850 GGIO4 Analog 3 min	0.000
IEC61850 GGIO4 Analog 3 max	1000000.000
IEC61850 GGIO4 Analog 4 Value	OFF
IEC61850 GGIO4 Analog 4 db	100.000 %
IEC61850 GGIO4 Analog 4 min	0.000
IEC61850 GGIO4 Analog 4 max	1000000.000
IEC61850 GGIO4 Analog 5 Value	OFF
IEC61850 GGIO4 Analog 5 db	100.000 %
IEC61850 GGIO4 Analog 5 min	0.000
IEC61850 GGIO4 Analog 5 max	1000000.000
IEC61850 GGIO4 Analog 6 Value	OFF
IEC61850 GGIO4 Analog 6 db	100.000 %
IEC61850 GGIO4 Analog 6 min	0.000
IEC61850 GGIO4 Analog 6 max	1000000.000
IEC61850 GGIO4 Analog 7 Value	OFF
IEC61850 GGIO4 Analog 7 db	100.000 %
IEC61850 GGIO4 Analog 7 min	0.000
IEC61850 GGIO4 Analog 7 max	1000000.000
IEC61850 GGIO4 Analog 8 Value	OFF
IEC61850 GGIO4 Analog 8 db	100.000 %
IEC61850 GGIO4 Analog 8 min	0.000
IEC61850 GGIO4 Analog 8 max	1000000.000
IEC61850 GGIO4 Analog 9 Value	OFF
IEC61850 GGIO4 Analog 9 db	100.000 %
IEC61850 GGIO4 Analog 9 min	0.000
IEC61850 GGIO4 Analog 9 max	1000000.000
IEC61850 GGIO4 Analog 10 Value	OFF
IEC61850 GGIO4 Analog 10 db	100.000 %
IEC61850 GGIO4 Analog 10 min	0.000
IEC61850 GGIO4 Analog 10 max	1000000.000
IEC61850 GGIO4 Analog 11 Value	OFF
IEC61850 GGIO4 Analog 11 db	100.000 %
IEC61850 GGIO4 Analog 11 min	0.000
IEC61850 GGIO4 Analog 11 max	1000000.000
IEC61850 GGIO4 Analog 12 Value	OFF
IEC61850 GGIO4 Analog 12 db	100.000 %
IEC61850 GGIO4 Analog 12 min	0.000
IEC61850 GGIO4 Analog 12 max	1000000.000
IEC61850 GGIO4 Analog 13 Value	OFF
IEC61850 GGIO4 Analog 13 db	100.000 %
IEC61850 GGIO4 Analog 13 min	0.000
IEC61850 GGIO4 Analog 13 max	1000000.000
IEC61850 GGIO4 Analog 14 Value	OFF
IEC61850 GGIO4 Analog 14 db	100.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO4 ANALOG CONFIGURATION (continued from last page)

IEC61850 GGIO4 Analog 14 min	0.000
IEC61850 GGIO4 Analog 14 max	1000000.000
IEC61850 GGIO4 Analog 15 Value	OFF
IEC61850 GGIO4 Analog 15 db	100.000 %
IEC61850 GGIO4 Analog 15 min	0.000
IEC61850 GGIO4 Analog 15 max	1000000.000
IEC61850 GGIO4 Analog 16 Value	OFF
IEC61850 GGIO4 Analog 16 db	100.000 %
IEC61850 GGIO4 Analog 16 min	0.000
IEC61850 GGIO4 Analog 16 max	1000000.000
IEC61850 GGIO4 Analog 17 Value	OFF
IEC61850 GGIO4 Analog 17 db	100.000 %
IEC61850 GGIO4 Analog 17 min	0.000
IEC61850 GGIO4 Analog 17 max	1000000.000
IEC61850 GGIO4 Analog 18 Value	OFF
IEC61850 GGIO4 Analog 18 db	100.000 %
IEC61850 GGIO4 Analog 18 min	0.000
IEC61850 GGIO4 Analog 18 max	1000000.000
IEC61850 GGIO4 Analog 19 Value	OFF
IEC61850 GGIO4 Analog 19 db	100.000 %
IEC61850 GGIO4 Analog 19 min	0.000
IEC61850 GGIO4 Analog 19 max	1000000.000
IEC61850 GGIO4 Analog 20 Value	OFF
IEC61850 GGIO4 Analog 20 db	100.000 %
IEC61850 GGIO4 Analog 20 min	0.000
IEC61850 GGIO4 Analog 20 max	1000000.000
IEC61850 GGIO4 Analog 21 Value	OFF
IEC61850 GGIO4 Analog 21 db	100.000 %
IEC61850 GGIO4 Analog 21 min	0.000
IEC61850 GGIO4 Analog 21 max	1000000.000
IEC61850 GGIO4 Analog 22 Value	OFF
IEC61850 GGIO4 Analog 22 db	100.000 %
IEC61850 GGIO4 Analog 22 min	0.000
IEC61850 GGIO4 Analog 22 max	1000000.000
IEC61850 GGIO4 Analog 23 Value	OFF
IEC61850 GGIO4 Analog 23 db	100.000 %
IEC61850 GGIO4 Analog 23 min	0.000
IEC61850 GGIO4 Analog 23 max	1000000.000
IEC61850 GGIO4 Analog 24 Value	OFF
IEC61850 GGIO4 Analog 24 db	100.000 %
IEC61850 GGIO4 Analog 24 min	0.000
IEC61850 GGIO4 Analog 24 max	1000000.000
IEC61850 GGIO4 Analog 25 Value	OFF
IEC61850 GGIO4 Analog 25 db	100.000 %
IEC61850 GGIO4 Analog 25 min	0.000
IEC61850 GGIO4 Analog 25 max	1000000.000
IEC61850 GGIO4 Analog 26 Value	OFF
IEC61850 GGIO4 Analog 26 db	100.000 %
IEC61850 GGIO4 Analog 26 min	0.000
IEC61850 GGIO4 Analog 26 max	1000000.000
IEC61850 GGIO4 Analog 27 Value	OFF
IEC61850 GGIO4 Analog 27 db	100.000 %
IEC61850 GGIO4 Analog 27 min	0.000
IEC61850 GGIO4 Analog 27 max	1000000.000
IEC61850 GGIO4 Analog 28 Value	OFF
IEC61850 GGIO4 Analog 28 db	100.000 %
IEC61850 GGIO4 Analog 28 min	0.000
IEC61850 GGIO4 Analog 28 max	1000000.000
IEC61850 GGIO4 Analog 29 Value	OFF
IEC61850 GGIO4 Analog 29 db	100.000 %
IEC61850 GGIO4 Analog 29 min	0.000
IEC61850 GGIO4 Analog 29 max	1000000.000
IEC61850 GGIO4 Analog 30 Value	OFF
IEC61850 GGIO4 Analog 30 db	100.000 %
IEC61850 GGIO4 Analog 30 min	0.000
IEC61850 GGIO4 Analog 30 max	1000000.000
IEC61850 GGIO4 Analog 31 Value	OFF
IEC61850 GGIO4 Analog 31 db	100.000 %

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GGIO4 ANALOG CONFIGURATION (continued from last page)

IEC61850 GGIO4 Analog 31 min	0.000
IEC61850 GGIO4 Analog 31 max	1000000.000
IEC61850 GGIO4 Analog 32 Value	OFF
IEC61850 GGIO4 Analog 32 db	100.000 %
IEC61850 GGIO4 Analog 32 min	0.000
IEC61850 GGIO4 Analog 32 max	1000000.000

GGIO5 STATUS CONFIGURATION

IEC61850 GGIO5 UINT Integer 1	OFF
IEC61850 GGIO5 UINT Integer 2	OFF
IEC61850 GGIO5 UINT Integer 3	OFF
IEC61850 GGIO5 UINT Integer 4	OFF
IEC61850 GGIO5 UINT Integer 5	OFF
IEC61850 GGIO5 UINT Integer 6	OFF
IEC61850 GGIO5 UINT Integer 7	OFF
IEC61850 GGIO5 UINT Integer 8	OFF
IEC61850 GGIO5 UINT Integer 9	OFF
IEC61850 GGIO5 UINT Integer 10	OFF
IEC61850 GGIO5 UINT Integer 11	OFF
IEC61850 GGIO5 UINT Integer 12	OFF
IEC61850 GGIO5 UINT Integer 13	OFF
IEC61850 GGIO5 UINT Integer 14	OFF
IEC61850 GGIO5 UINT Integer 15	OFF
IEC61850 GGIO5 UINT Integer 16	OFF

REPORT CONTROL CONFIGURATION

REPORT 1 (GGIO1.BR): RptID	
REPORT 1 (GGIO1.BR): OptFlds	0
REPORT 1 (GGIO1.BR): BufTm	0
REPORT 1 (GGIO1.BR): TrgOps	0
REPORT 1 (GGIO1.BR): IntgPd	0
REPORT 2 (GGIO1.BR01): RptID	
REPORT 2 (GGIO1.BR01): OptFlds	0
REPORT 2 (GGIO1.BR01): BufTm	0
REPORT 2 (GGIO1.BR01): TrgOps	0
REPORT 2 (GGIO1.BR01): IntgPd	0
REPORT 3 (GGIO1.RP): RptID	
REPORT 3 (GGIO1.RP): OptFlds	0
REPORT 3 (GGIO1.RP): BufTm	0
REPORT 3 (GGIO1.RP): TrgOps	0
REPORT 3 (GGIO1.RP): IntgPd	0
REPORT 4 (GGIO4.RP): RptID	
REPORT 4 (GGIO4.RP): OptFlds	0
REPORT 4 (GGIO4.RP): BufTm	0
REPORT 4 (GGIO4.RP): TrgOps	0
REPORT 4 (GGIO4.RP): IntgPd	0
REPORT 5 (MMXU1.BR): RptID	
REPORT 5 (MMXU1.BR): OptFlds	0
REPORT 5 (MMXU1.BR): BufTm	0
REPORT 5 (MMXU1.BR): TrgOps	0
REPORT 5 (MMXU1.BR): IntgPd	0
REPORT 6 (MMXU1.RP): RptID	
REPORT 6 (MMXU1.RP): OptFlds	0
REPORT 6 (MMXU1.RP): BufTm	0
REPORT 6 (MMXU1.RP): TrgOps	0
REPORT 6 (MMXU1.RP): IntgPd	0
REPORT 7 (MMXU2.BR): RptID	
REPORT 7 (MMXU2.BR): OptFlds	0
REPORT 7 (MMXU2.BR): BufTm	0
REPORT 7 (MMXU2.BR): TrgOps	0
REPORT 7 (MMXU2.BR): IntgPd	0
REPORT 8 (MMXU2.RP): RptID	
REPORT 8 (MMXU2.RP): OptFlds	0
REPORT 8 (MMXU2.RP): BufTm	0
REPORT 8 (MMXU2.RP): TrgOps	0
REPORT 8 (MMXU2.RP): IntgPd	0

XCBR CONFIGURATION

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

XCBR CONFIGURATION (continued from last page)

XCBR1 ST.Loc Operand	OFF
Clear XCBR1 OpCnt	No
XCBR2 ST.Loc Operand	OFF
Clear XCBR2 OpCnt	No

XSWI CONFIGURATION

XSWI1 ST.Loc Operand	OFF
XSWI2 ST.Loc Operand	OFF
XSWI3 ST.Loc Operand	OFF
XSWI4 ST.Loc Operand	OFF
XSWI5 ST.Loc Operand	OFF
XSWI6 ST.Loc Operand	OFF
XSWI7 ST.Loc Operand	OFF
XSWI8 ST.Loc Operand	OFF
Clear XSWI1 OpCnt	No
Clear XSWI2 OpCnt	No
Clear XSWI3 OpCnt	No
Clear XSWI4 OpCnt	No
Clear XSWI5 OpCnt	No
Clear XSWI6 OpCnt	No
Clear XSWI7 OpCnt	No
Clear XSWI8 OpCnt	No

HTTP

HTTP TCP Port Number	80

TFTP

TFTP Main UDP Port Number	69
TFTP Data UDP Port Number 1	0
TFTP Data UDP Port Number 2	0

IEC 60870-5-104

Function	Disabled
IEC TCP Port Number	2404
IEC Client Address 1	0. 0. 0. 0
IEC Client Address 2	0. 0. 0. 0
IEC Client Address 3	0. 0. 0. 0
IEC Client Address 4	0. 0. 0. 0
IEC Client Address 5	0. 0. 0. 0
IEC Common Address of ASDU	0
IEC Cyclic Data Period	60 s
IEC Current Default Threshold	30000
IEC Voltage Default Threshold	30000
IEC Power Default Threshold	30000
IEC Energy Default Threshold	30000
IEC Power Factor Default Threshold	30000
IEC Other Default Threshold	30000
IEC Redundancy Enabled	No

SNTP

Function	Enabled
Server IP Address	10. 1. 32. 7
UDP Port Number	123

MODBUS USER MAP

Address 1	0
Address 2	0
Address 3	0
Address 4	0
Address 5	0
Address 6	0
Address 7	0
Address 8	0
Address 9	0
Address 10	0
Address 11	0
Address 12	0
Address 13	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 14	0
Address 15	0
Address 16	0
Address 17	0
Address 18	0
Address 19	0
Address 20	0
Address 21	0
Address 22	0
Address 23	0
Address 24	0
Address 25	0
Address 26	0
Address 27	0
Address 28	0
Address 29	0
Address 30	0
Address 31	0
Address 32	0
Address 33	0
Address 34	0
Address 35	0
Address 36	0
Address 37	0
Address 38	0
Address 39	0
Address 40	0
Address 41	0
Address 42	0
Address 43	0
Address 44	0
Address 45	0
Address 46	0
Address 47	0
Address 48	0
Address 49	0
Address 50	0
Address 51	0
Address 52	0
Address 53	0
Address 54	0
Address 55	0
Address 56	0
Address 57	0
Address 58	0
Address 59	0
Address 60	0
Address 61	0
Address 62	0
Address 63	0
Address 64	0
Address 65	0
Address 66	0
Address 67	0
Address 68	0
Address 69	0
Address 70	0
Address 71	0
Address 72	0
Address 73	0
Address 74	0
Address 75	0
Address 76	0
Address 77	0
Address 78	0
Address 79	0
Address 80	0
Address 81	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 82	0
Address 83	0
Address 84	0
Address 85	0
Address 86	0
Address 87	0
Address 88	0
Address 89	0
Address 90	0
Address 91	0
Address 92	0
Address 93	0
Address 94	0
Address 95	0
Address 96	0
Address 97	0
Address 98	0
Address 99	0
Address 100	0
Address 101	0
Address 102	0
Address 103	0
Address 104	0
Address 105	0
Address 106	0
Address 107	0
Address 108	0
Address 109	0
Address 110	0
Address 111	0
Address 112	0
Address 113	0
Address 114	0
Address 115	0
Address 116	0
Address 117	0
Address 118	0
Address 119	0
Address 120	0
Address 121	0
Address 122	0
Address 123	0
Address 124	0
Address 125	0
Address 126	0
Address 127	0
Address 128	0
Address 129	0
Address 130	0
Address 131	0
Address 132	0
Address 133	0
Address 134	0
Address 135	0
Address 136	0
Address 137	0
Address 138	0
Address 139	0
Address 140	0
Address 141	0
Address 142	0
Address 143	0
Address 144	0
Address 145	0
Address 146	0
Address 147	0
Address 148	0
Address 149	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 150	0
Address 151	0
Address 152	0
Address 153	0
Address 154	0
Address 155	0
Address 156	0
Address 157	0
Address 158	0
Address 159	0
Address 160	0
Address 161	0
Address 162	0
Address 163	0
Address 164	0
Address 165	0
Address 166	0
Address 167	0
Address 168	0
Address 169	0
Address 170	0
Address 171	0
Address 172	0
Address 173	0
Address 174	0
Address 175	0
Address 176	0
Address 177	0
Address 178	0
Address 179	0
Address 180	0
Address 181	0
Address 182	0
Address 183	0
Address 184	0
Address 185	0
Address 186	0
Address 187	0
Address 188	0
Address 189	0
Address 190	0
Address 191	0
Address 192	0
Address 193	0
Address 194	0
Address 195	0
Address 196	0
Address 197	0
Address 198	0
Address 199	0
Address 200	0
Address 201	0
Address 202	0
Address 203	0
Address 204	0
Address 205	0
Address 206	0
Address 207	0
Address 208	0
Address 209	0
Address 210	0
Address 211	0
Address 212	0
Address 213	0
Address 214	0
Address 215	0
Address 216	0
Address 217	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

MODBUS USER MAP (continued from last page)

Address 218	0
Address 219	0
Address 220	0
Address 221	0
Address 222	0
Address 223	0
Address 224	0
Address 225	0
Address 226	0
Address 227	0
Address 228	0
Address 229	0
Address 230	0
Address 231	0
Address 232	0
Address 233	0
Address 234	0
Address 235	0
Address 236	0
Address 237	0
Address 238	0
Address 239	0
Address 240	0
Address 241	0
Address 242	0
Address 243	0
Address 244	0
Address 245	0
Address 246	0
Address 247	0
Address 248	0
Address 249	0
Address 250	0
Address 251	0
Address 252	0
Address 253	0
Address 254	0
Address 255	0
Address 256	0

REAL TIME CLOCK

IRIG-B Signal Type	DC Shift
Real Time Clock Events	Enabled
Time Zone Offset	0.0 hr
DST Function	Disabled
DST Start Month	January
DST Start Day	Sunday
DST Start Day Instance	First
DST Start Hour	2
DST Stop Month	January
DST Stop Day	Sunday
DST Stop Day Instance	First
DST Stop Hour	2

FAULT REPORT

Fault Report 1 Source	52B3 (SRC 1)
Fault Report 1 Trigger	TRIP FAULT R On (VO30)
Fault Report 1 Positive Seq (Z1) Mag	0.25 ohms
Fault Report 1 Positive Seq (Z1) Angle	59 deg
Fault Report 1 Zero Seq (Z0) Mag	0.84 ohms
Fault Report 1 Zero Seq (Z0) Angle	76 deg
Fault Report 1 Line Length Units	km
Fault Report 1 Line Length	8.0
Fault Report 1 VT Substitution	None
Fault Report 1 System Z0 Mag	2.00 ohms
Fault Report 1 System Z0 Angle	75 deg

OSCILLOGRAPHY

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

OSCILLOGRAPHY (continued from last page)

Number Of Records	5
Trigger Mode	Automatic Overwrite
Trigger Position	50 %
Trigger Source	OSCILOGRAFIA On (VO13)
AC Input Waveforms	64 samples/cycle
Digital Channel 1	LINE PICKUP OP
Digital Channel 2	PH DIST Z1 OP
Digital Channel 3	GND DIST Z1 OP
Digital Channel 4	PH DIST Z2 OP
Digital Channel 5	GND DIST Z2 OP
Digital Channel 6	PH DIST Z3 OP
Digital Channel 7	GND DIST Z3 OP
Digital Channel 8	PH DIST Z5 OP
Digital Channel 9	GND DIST Z5 OP
Digital Channel 10	52B3 AB On(H7a)
Digital Channel 11	52B3 CE On(H8c)
Digital Channel 12	PHASE TOC1 OP
Digital Channel 13	PHASE IOC1 OP
Digital Channel 14	PH DIR1 BLK A
Digital Channel 15	PH DIR1 BLK B
Digital Channel 16	PH DIR1 BLK C
Digital Channel 17	NEUTRAL TOC1 OP
Digital Channel 18	NEUTRAL IOC1 OP
Digital Channel 19	NTRL DIR OC1 FWD
Digital Channel 20	NTRL DIR OC1 REV
Digital Channel 21	BKR FAIL 1 TRIP OP
Digital Channel 22	NEG SEQ IOC1 OP
Digital Channel 23	SRC1 VT FUSE FAIL OP
Digital Channel 24	TRIP1 52B3-A IOn (H1)
Digital Channel 25	TRIP1 52B3-B IOn (H2)
Digital Channel 26	TRIP1 52B3-C IOn (H3)
Digital Channel 27	TRIP2 52B3-A IOn (H4)
Digital Channel 28	TRIP2 52B3-B IOn (H5)
Digital Channel 29	TRIP2 52B3-C IOn (H6)
Digital Channel 30	CE 52B3 x79 IOn (P1)
Digital Channel 31	OPEN POLE BKR A OP
Digital Channel 32	OPEN POLE BKR B OP
Digital Channel 33	OPEN POLE BKR C OP
Digital Channel 34	SETTING GROUP ACT 2
Digital Channel 35	S79 S1 ON On(U7a)
Digital Channel 36	S79 S2 ON On(U7c)
Digital Channel 37	AR FORCE 3-P TRIP
Digital Channel 38	AR ENABLED
Digital Channel 39	AR RIP
Digital Channel 40	AR CLOSE BKR 1
Digital Channel 41	AR LO
Digital Channel 42	PART 79 3P On (VO5)
Digital Channel 43	PHASE SELECT AG
Digital Channel 44	PHASE SELECT BG
Digital Channel 45	PHASE SELECT CG
Digital Channel 46	PHASE SELECT AB
Digital Channel 47	PHASE SELECT BC
Digital Channel 48	PHASE SELECT CA
Digital Channel 49	PHASE SELECT ABG
Digital Channel 50	PHASE SELECT BCG
Digital Channel 51	PHASE SELECT CAG
Digital Channel 52	PHASE SELECT 3P
Digital Channel 53	RX TRIP REM On(P8c)
Digital Channel 54	RX 85A On(M7a)
Digital Channel 55	RX 85C On(M7c)
Digital Channel 56	P.EXT.50BF-A On(P7a)
Digital Channel 57	P.EXT.50BF-B On(P7c)
Digital Channel 58	P.EXT.50BF-C On(P8a)
Digital Channel 59	21S1 FALLA On(W6c)
Digital Channel 60	OP 21S1 Z1 On(W2c)
Digital Channel 61	OP 21S1 Z2 On(W3a)
Digital Channel 62	OP 21S1 Z3 On(W3c)
Digital Channel 63	OP 21S1 Z4 On(W4a)

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**OSCILLOGRAPHY (continued from last page)

Analog Channel 1	SRC1	I_0 Mag
Analog Channel 2	SRC1	I_0 Angle
Analog Channel 3	SRC1	I_1 Mag
Analog Channel 4	SRC1	I_1 Angle
Analog Channel 5	SRC1	I_2 Mag
Analog Channel 6	SRC1	I_2 Angle
Analog Channel 7	SRC1	V_0 Mag
Analog Channel 8	SRC1	V_0 Angle
Analog Channel 9	SRC1	V_1 Mag
Analog Channel 10	SRC1	V_1 Angle
Analog Channel 11	SRC1	V_2 Mag
Analog Channel 12	SRC1	V_2 Angle
Analog Channel 13	SRC1	Ia Mag
Analog Channel 14	SRC1	Ib Mag
Analog Channel 15	SRC1	Ic Mag
Analog Channel 16		Tracking Frequency

DATA LOGGER

Data Logger Mode	Continuous
Data Logger Trigger	OFF
Rate	900000 msec
Channel 1	SRC1 P
Channel 2	SRC1 Q
Channel 3	SRC1 S
Channel 4	SRC1 PF
Channel 5	SRC1 Frequency
Channel 6	OFF
Channel 7	OFF
Channel 8	OFF
Channel 9	OFF
Channel 10	OFF
Channel 11	OFF
Channel 12	OFF
Channel 13	OFF
Channel 14	OFF
Channel 15	OFF
Channel 16	OFF

USER-PROGRAMMABLE LEDSLED TEST

Function	Disabled
Control	OFF

TRIP AND ALARMS LEDS

Trip LED Input	TRIP PROT. On (VO9)
Alarm LED Input	ANY MAJOR ERROR

USER PROGRAMMABLE LEDS

LED 1: OPERAND	PH DIST Z1 OP
LED 1: TYPE	Latched
LED 2: OPERAND	GND DIST Z1 OP
LED 2: TYPE	Latched
LED 3: OPERAND	PH DIST Z2 OP
LED 3: TYPE	Latched
LED 4: OPERAND	GND DIST Z2 OP
LED 4: TYPE	Latched
LED 5: OPERAND	PH DIST Z3 OP
LED 5: TYPE	Latched
LED 6: OPERAND	GND DIST Z3 OP
LED 6: TYPE	Latched
LED 7: OPERAND	PH DIST Z5 OP
LED 7: TYPE	Latched
LED 8: OPERAND	GND DIST Z5 OP
LED 8: TYPE	Latched
LED 9: OPERAND	PHASE TOC1 OP
LED 9: TYPE	Latched
LED 10: OPERAND	PHASE IOC1 OP
LED 10: TYPE	Latched

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER PROGRAMMABLE LEDS (continued from last page)

LED 11: OPERAND	NEUTRAL TOC1 OP
LED 11: TYPE	Latched
LED 12: OPERAND	NEUTRAL IOC1 OP
LED 12: TYPE	Latched
LED 13: OPERAND	SETTING GROUP ACT 1
LED 13: TYPE	Self-Reset
LED 14: OPERAND	SETTING GROUP ACT 2
LED 14: TYPE	Self-Reset
LED 15: OPERAND	LINE PICKUP OP
LED 15: TYPE	Latched
LED 16: OPERAND	BKR FAIL 1 TRIP OP
LED 16: TYPE	Latched
LED 17: OPERAND	NEG SEQ IOC1 OP
LED 17: TYPE	Latched
LED 18: OPERAND	TRIP1 52B3-A IOn (H1)
LED 18: TYPE	Latched
LED 19: OPERAND	TRIP2 52B3-A IOn (H4)
LED 19: TYPE	Latched
LED 20: OPERAND	TRIP1 52B3-B IOn (H2)
LED 20: TYPE	Latched
LED 21: OPERAND	TRIP2 52B3-B IOn (H5)
LED 21: TYPE	Latched
LED 22: OPERAND	TRIP1 52B3-C IOn (H3)
LED 22: TYPE	Latched
LED 23: OPERAND	TRIP2 52B3-C IOn (H6)
LED 23: TYPE	Latched
LED 24: OPERAND	CE 52B3 x79 IOn (P1)
LED 24: TYPE	Latched
LED 25: OPERAND	CTRL HAB 79 On(W1a)
LED 25: TYPE	Self-Reset
LED 26: OPERAND	CTRL DES 79 On(W1c)
LED 26: TYPE	Self-Reset
LED 27: OPERAND	S79 S1 ON On(U7a)
LED 27: TYPE	Self-Reset
LED 28: OPERAND	S79 S2 ON On(U7c)
LED 28: TYPE	Self-Reset
LED 29: OPERAND	AR ENABLED
LED 29: TYPE	Self-Reset
LED 30: OPERAND	AR DISABLED
LED 30: TYPE	Self-Reset
LED 31: OPERAND	AR CLOSE BKR 1
LED 31: TYPE	Latched
LED 32: OPERAND	AR LO
LED 32: TYPE	Self-Reset
LED 33: OPERAND	OFF
LED 33: TYPE	Self-Reset
LED 34: OPERAND	P.EXT. 79 S1 On(W5a)
LED 34: TYPE	Latched
LED 35: OPERAND	TRIPBUS 2 OP
LED 35: TYPE	Latched
LED 36: OPERAND	OFF
LED 36: TYPE	Self-Reset
LED 37: OPERAND	52B3 CE On(H8c)
LED 37: TYPE	Self-Reset
LED 38: OPERAND	52B3 AB On(H7a)
LED 38: TYPE	Self-Reset
LED 39: OPERAND	FA T/P S2 On(W7c)
LED 39: TYPE	Self-Reset
LED 40: OPERAND	SRC1 VT FUSE FAIL OP
LED 40: TYPE	Self-Reset
LED 41: OPERAND	AR CLOSE BKR 1
LED 41: TYPE	Latched
LED 42: OPERAND	TX 85A/C On (VO27)
LED 42: TYPE	Latched
LED 43: OPERAND	RX 85A On(M7a)
LED 43: TYPE	Latched
LED 44: OPERAND	RX 85C On(M7c)
LED 44: TYPE	Latched

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER PROGRAMMABLE LEDS (continued from last page)

LED 45: OPERAND	P.EXT.50BF-A On(P7a)
LED 45: TYPE	Latched
LED 46: OPERAND	P.EXT.50BF-B On(P7c)
LED 46: TYPE	Latched
LED 47: OPERAND	P.EXT.50BF-C On(P8a)
LED 47: TYPE	Latched
LED 48: OPERAND	RX TRIP REM On(P8c)
LED 48: TYPE	Latched

USER PROGRAMMABLE SELF TESTS

Remote Device Off Function	Disabled
Pri Ethernet Fail Function	Disabled
Battery Fail Function	Enabled
SNTP Fail Function	Disabled
IRIG B Fail Function	Enabled

CONTROL PUSHBUTTONS

CPB 1: Function	Enabled
CPB 1: Events	Disabled
CPB 2: Function	Disabled
CPB 2: Events	Disabled
CPB 3: Function	Disabled
CPB 3: Events	Disabled

FLEX STATES

Parameter 1	TRIPBUS 1 OP
Parameter 2	TRIPBUS 2 OP
Parameter 3	TRIP 1-POLE
Parameter 4	TRIP 3-POLE
Parameter 5	TRIP PHASE A
Parameter 6	TRIP PHASE B
Parameter 7	TRIP PHASE C
Parameter 8	BREAKER 1 Phase A CLOSED
Parameter 9	BREAKER 1 Phase B CLOSED
Parameter 10	BREAKER 1 Phase C CLOSED
Parameter 11	OPEN POLE BKR A OP
Parameter 12	OPEN POLE BKR B OP
Parameter 13	OPEN POLE BKR C OP
Parameter 14	52B3 AB On(H7a)
Parameter 15	Cont Ip 2 On(H7c)
Parameter 16	Cont Ip 3 On(H8a)
Parameter 17	52B3 CE On(H8c)
Parameter 18	BREAKER 1 OPEN
Parameter 19	BREAKER 1 CLOSED
Parameter 20	AR ENABLED
Parameter 21	AR DISABLED
Parameter 22	AR 1-P RIP
Parameter 23	AR LO
Parameter 24	AR CLOSE BKR 1
Parameter 25	AR FORCE 3-P TRIP
Parameter 26	AR INCOMPLETE SEQ
Parameter 27	S79 S2 ON On(U7c)
Parameter 28	S79 S1 ON On(U7a)
Parameter 29	CTRL HAB 79 On(W1a)
Parameter 30	CTRL DES 79 On(W1c)
Parameter 31	HAB 79 VO23 On (VO23)
Parameter 32	DES 79 VO24 On (VO24)
Parameter 33	DES/HAB 79 On (VO25)
Parameter 34	BLOCK 79 On (VO6)
Parameter 35	LATCH 1 ON
Parameter 36	LATCH 1 OFF
Parameter 37	OFF
Parameter 38	OFF
Parameter 39	OFF
Parameter 40	OFF
Parameter 41	OFF
Parameter 42	OFF
Parameter 43	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 44	OFF
Parameter 45	OFF
Parameter 46	OFF
Parameter 47	OFF
Parameter 48	OFF
Parameter 49	OFF
Parameter 50	OFF
Parameter 51	OFF
Parameter 52	OFF
Parameter 53	OFF
Parameter 54	OFF
Parameter 55	OFF
Parameter 56	OFF
Parameter 57	OFF
Parameter 58	OFF
Parameter 59	OFF
Parameter 60	OFF
Parameter 61	OFF
Parameter 62	OFF
Parameter 63	OFF
Parameter 64	OFF
Parameter 65	OFF
Parameter 66	OFF
Parameter 67	OFF
Parameter 68	OFF
Parameter 69	OFF
Parameter 70	OFF
Parameter 71	OFF
Parameter 72	OFF
Parameter 73	OFF
Parameter 74	OFF
Parameter 75	OFF
Parameter 76	OFF
Parameter 77	OFF
Parameter 78	OFF
Parameter 79	OFF
Parameter 80	OFF
Parameter 81	OFF
Parameter 82	OFF
Parameter 83	OFF
Parameter 84	OFF
Parameter 85	OFF
Parameter 86	OFF
Parameter 87	OFF
Parameter 88	OFF
Parameter 89	OFF
Parameter 90	OFF
Parameter 91	OFF
Parameter 92	OFF
Parameter 93	OFF
Parameter 94	OFF
Parameter 95	OFF
Parameter 96	OFF
Parameter 97	OFF
Parameter 98	OFF
Parameter 99	OFF
Parameter 100	OFF
Parameter 101	OFF
Parameter 102	OFF
Parameter 103	OFF
Parameter 104	OFF
Parameter 105	OFF
Parameter 106	OFF
Parameter 107	OFF
Parameter 108	OFF
Parameter 109	OFF
Parameter 110	OFF
Parameter 111	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 112	OFF
Parameter 113	OFF
Parameter 114	OFF
Parameter 115	OFF
Parameter 116	OFF
Parameter 117	OFF
Parameter 118	OFF
Parameter 119	OFF
Parameter 120	OFF
Parameter 121	OFF
Parameter 122	OFF
Parameter 123	OFF
Parameter 124	OFF
Parameter 125	OFF
Parameter 126	OFF
Parameter 127	OFF
Parameter 128	OFF
Parameter 129	OFF
Parameter 130	OFF
Parameter 131	OFF
Parameter 132	OFF
Parameter 133	OFF
Parameter 134	OFF
Parameter 135	OFF
Parameter 136	OFF
Parameter 137	OFF
Parameter 138	OFF
Parameter 139	OFF
Parameter 140	OFF
Parameter 141	OFF
Parameter 142	OFF
Parameter 143	OFF
Parameter 144	OFF
Parameter 145	OFF
Parameter 146	OFF
Parameter 147	OFF
Parameter 148	OFF
Parameter 149	OFF
Parameter 150	OFF
Parameter 151	OFF
Parameter 152	OFF
Parameter 153	OFF
Parameter 154	OFF
Parameter 155	OFF
Parameter 156	OFF
Parameter 157	OFF
Parameter 158	OFF
Parameter 159	OFF
Parameter 160	OFF
Parameter 161	OFF
Parameter 162	OFF
Parameter 163	OFF
Parameter 164	OFF
Parameter 165	OFF
Parameter 166	OFF
Parameter 167	OFF
Parameter 168	OFF
Parameter 169	OFF
Parameter 170	OFF
Parameter 171	OFF
Parameter 172	OFF
Parameter 173	OFF
Parameter 174	OFF
Parameter 175	OFF
Parameter 176	OFF
Parameter 177	OFF
Parameter 178	OFF
Parameter 179	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 180	OFF
Parameter 181	OFF
Parameter 182	OFF
Parameter 183	OFF
Parameter 184	OFF
Parameter 185	OFF
Parameter 186	OFF
Parameter 187	OFF
Parameter 188	OFF
Parameter 189	OFF
Parameter 190	OFF
Parameter 191	OFF
Parameter 192	OFF
Parameter 193	OFF
Parameter 194	OFF
Parameter 195	OFF
Parameter 196	OFF
Parameter 197	OFF
Parameter 198	OFF
Parameter 199	OFF
Parameter 200	OFF
Parameter 201	OFF
Parameter 202	OFF
Parameter 203	OFF
Parameter 204	OFF
Parameter 205	OFF
Parameter 206	OFF
Parameter 207	OFF
Parameter 208	OFF
Parameter 209	OFF
Parameter 210	OFF
Parameter 211	OFF
Parameter 212	OFF
Parameter 213	OFF
Parameter 214	OFF
Parameter 215	OFF
Parameter 216	OFF
Parameter 217	OFF
Parameter 218	OFF
Parameter 219	OFF
Parameter 220	OFF
Parameter 221	OFF
Parameter 222	OFF
Parameter 223	OFF
Parameter 224	OFF
Parameter 225	OFF
Parameter 226	OFF
Parameter 227	OFF
Parameter 228	OFF
Parameter 229	OFF
Parameter 230	OFF
Parameter 231	OFF
Parameter 232	OFF
Parameter 233	OFF
Parameter 234	OFF
Parameter 235	OFF
Parameter 236	OFF
Parameter 237	OFF
Parameter 238	OFF
Parameter 239	OFF
Parameter 240	OFF
Parameter 241	OFF
Parameter 242	OFF
Parameter 243	OFF
Parameter 244	OFF
Parameter 245	OFF
Parameter 246	OFF
Parameter 247	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Parameter 248	OFF
Parameter 249	OFF
Parameter 250	OFF
Parameter 251	OFF
Parameter 252	OFF
Parameter 253	OFF
Parameter 254	OFF
Parameter 255	OFF
Parameter 256	OFF

USER-DEFINABLE DISPLAYS

USER DISPLAY 1: Top Line	Aperturas Totales
USER DISPLAY 1: Bottom Line	52B3:~
USER DISPLAY 1: Item 1	2048
USER DISPLAY 1: Item 2	0
USER DISPLAY 1: Item 3	0
USER DISPLAY 1: Item 4	0
USER DISPLAY 1: Item 5	0
USER DISPLAY 2: Top Line	Operaciones Totales
USER DISPLAY 2: Bottom Line	PROT:~
USER DISPLAY 2: Item 1	2056
USER DISPLAY 2: Item 2	0
USER DISPLAY 2: Item 3	0
USER DISPLAY 2: Item 4	0
USER DISPLAY 2: Item 5	0
USER DISPLAY 3: Top Line	Corrientes Ia:~
USER DISPLAY 3: Bottom Line	b:~ c:~
USER DISPLAY 3: Item 1	6144
USER DISPLAY 3: Item 2	6146
USER DISPLAY 3: Item 3	6148
USER DISPLAY 3: Item 4	0
USER DISPLAY 3: Item 5	0
USER DISPLAY 4: Top Line	Tension Linea
USER DISPLAY 4: Bottom Line	~
USER DISPLAY 4: Item 1	6671
USER DISPLAY 4: Item 2	0
USER DISPLAY 4: Item 3	0
USER DISPLAY 4: Item 4	0
USER DISPLAY 4: Item 5	0
USER DISPLAY 5: Top Line	Potencia Activa
USER DISPLAY 5: Bottom Line	3P: ~
USER DISPLAY 5: Item 1	7168
USER DISPLAY 5: Item 2	0
USER DISPLAY 5: Item 3	0
USER DISPLAY 5: Item 4	0
USER DISPLAY 5: Item 5	0
USER DISPLAY 6: Top Line	Potencia Reactiva
USER DISPLAY 6: Bottom Line	3P: ~
USER DISPLAY 6: Item 1	7176
USER DISPLAY 6: Item 2	0
USER DISPLAY 6: Item 3	0
USER DISPLAY 6: Item 4	0
USER DISPLAY 6: Item 5	0
USER DISPLAY 7: Top Line	Factor Potencia
USER DISPLAY 7: Bottom Line	3P: ~
USER DISPLAY 7: Item 1	7192
USER DISPLAY 7: Item 2	0
USER DISPLAY 7: Item 3	0
USER DISPLAY 7: Item 4	0
USER DISPLAY 7: Item 5	0
USER DISPLAY 8: Top Line	Frecuencia Sistema
USER DISPLAY 8: Bottom Line	~
USER DISPLAY 8: Item 1	7552
USER DISPLAY 8: Item 2	0
USER DISPLAY 8: Item 3	0
USER DISPLAY 8: Item 4	0
USER DISPLAY 8: Item 5	0
USER DISPLAY 9: Top Line	Energia Activa Pos

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

USER-DEFINABLE DISPLAYS (continued from last page)

USER DISPLAY 9: Bottom Line	~
USER DISPLAY 9: Item 1	7424
USER DISPLAY 9: Item 2	0
USER DISPLAY 9: Item 3	0
USER DISPLAY 9: Item 4	0
USER DISPLAY 9: Item 5	0
USER DISPLAY 10: Top Line	Energia Activa Neg
USER DISPLAY 10: Bottom Line	~
USER DISPLAY 10: Item 1	7426
USER DISPLAY 10: Item 2	0
USER DISPLAY 10: Item 3	0
USER DISPLAY 10: Item 4	0
USER DISPLAY 10: Item 5	0
USER DISPLAY 11: Top Line	Energia Reactiva Pos
USER DISPLAY 11: Bottom Line	~
USER DISPLAY 11: Item 1	7428
USER DISPLAY 11: Item 2	0
USER DISPLAY 11: Item 3	0
USER DISPLAY 11: Item 4	0
USER DISPLAY 11: Item 5	0
USER DISPLAY 12: Top Line	Energia Reactiva Neg
USER DISPLAY 12: Bottom Line	~
USER DISPLAY 12: Item 1	7430
USER DISPLAY 12: Item 2	0
USER DISPLAY 12: Item 3	0
USER DISPLAY 12: Item 4	0
USER DISPLAY 12: Item 5	0
USER DISPLAY 13: Top Line	I Falla Ia:~
USER DISPLAY 13: Bottom Line	b:~ c:~
USER DISPLAY 13: Item 1	9042
USER DISPLAY 13: Item 2	9045
USER DISPLAY 13: Item 3	9048
USER DISPLAY 13: Item 4	0
USER DISPLAY 13: Item 5	0
USER DISPLAY 14: Top Line	Dist. Ultima Falla
USER DISPLAY 14: Bottom Line	~ (km)
USER DISPLAY 14: Item 1	9061
USER DISPLAY 14: Item 2	0
USER DISPLAY 14: Item 3	0
USER DISPLAY 14: Item 4	0
USER DISPLAY 14: Item 5	0
USER DISPLAY 15: Top Line	Soporte: IproElec
USER DISPLAY 15: Bottom Line	~
USER DISPLAY 15: Item 1	16800
USER DISPLAY 15: Item 2	0
USER DISPLAY 15: Item 3	0
USER DISPLAY 15: Item 4	0
USER DISPLAY 15: Item 5	0
USER DISPLAY 16: Top Line	S/E PARINACOTA - B3
USER DISPLAY 16: Bottom Line	PROTECCION 21/21N S2
USER DISPLAY 16: Item 1	0
USER DISPLAY 16: Item 2	0
USER DISPLAY 16: Item 3	0
USER DISPLAY 16: Item 4	0
USER DISPLAY 16: Item 5	0
Invoke and Scroll	CONTROL PUSHBUTTON 1 ON

INSTALLATION

Relay Settings	Programmed
Relay Name	EML-PAR-B3-21S2-D60

SYSTEM SETUP

AC INPUTS

CURRENT

CT F1: Phase CT Primary	400 A
CT F1: Phase CT Secondary	5 A
CT F1: Ground CT Primary	400 A
CT F1: Ground CT Secondary	5 A

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502****VOLTAGE**

VT F5: Phase VT Connection	Wye
VT F5: Phase VT Secondary	63.5 V
VT F5: Phase VT Ratio	600.00 :1
VT F5: Auxiliary VT Connection	Vag
VT F5: Auxiliary VT Secondary	63.5 V
VT F5: Auxiliary VT Ratio	600.00 :1

POWER SYSTEM

Nominal Frequency	50 Hz
Phase Rotation	ABC
Frequency And Phase Reference	52B3 (SRC 1)
Frequency Tracking Function	Enabled

SIGNAL SOURCES

SOURCE 1: Name	52B3
SOURCE 1: Phase CT	F1
SOURCE 1: Ground CT	F1
SOURCE 1: Phase VT	F5
SOURCE 1: Auxiliary VT	None
SOURCE 2: Name	SYNC
SOURCE 2: Phase CT	None
SOURCE 2: Ground CT	None
SOURCE 2: Phase VT	None
SOURCE 2: Auxiliary VT	None

BREAKERS

Breaker 1 Function	Enabled
Breaker 1 Push Button Control	Disabled
Breaker 1 Name	52B3
Breaker 1 Mode	1-Pole
Breaker 1 Open	OFF
Breaker 1 Block Open	OFF
Breaker 1 Close	OFF
Breaker 1 Block Close	OFF
Breaker 1 Phase A/3-Pole Closed	52B3 CE On(H8c)
Breaker 1 Phase A/3-Pole Opened	52B3 AB On(H7a)
Breaker 1 Phase B Closed	52B3 CE On(H8c)
Breaker 1 Phase B Opened	52B3 AB On(H7a)
Breaker 1 Phase C Closed	52B3 CE On(H8c)
Breaker 1 Phase C Opened	52B3 AB On(H7a)
Breaker 1 Toperate	0.070 s
Breaker 1 External Alarm	OFF
Breaker 1 Alarm Delay	0.000 s
Breaker 1 Manual Close Recal Time	0.000 s
Breaker 1 Out Of Service	OFF
Breaker 1 Events	Disabled
Breaker 2 Function	Disabled
Breaker 2 Push Button Control	Disabled
Breaker 2 Name	Bkr 2
Breaker 2 Mode	3-Pole
Breaker 2 Open	OFF
Breaker 2 Block Open	OFF
Breaker 2 Close	OFF
Breaker 2 Block Close	OFF
Breaker 2 Phase A/3-Pole Closed	OFF
Breaker 2 Phase A/3-Pole Opened	OFF
Breaker 2 Phase B Closed	OFF
Breaker 2 Phase B Opened	OFF
Breaker 2 Phase C Closed	OFF
Breaker 2 Phase C Opened	OFF
Breaker 2 Toperate	0.070 s
Breaker 2 External Alarm	OFF
Breaker 2 Alarm Delay	0.000 s
Breaker 2 Manual Close Recal Time	0.000 s
Breaker 2 Out Of Service	OFF
Breaker 2 Events	Disabled

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502****SWITCHES**

Switch 1 Function	Disabled
Switch 1 Name	SW 1
Switch 1 Mode	3-Pole
Switch 1 Open	OFF
Switch 1 Block Open	OFF
Switch 1 Close	OFF
Switch 1 Block Close	OFF
Switch 1 Phase A/3 Pole Closed	OFF
Switch 1 Phase A/3 Pole Opened	OFF
Switch 1 Phase B Closed	OFF
Switch 1 Phase B Opened	OFF
Switch 1 Phase C Closed	OFF
Switch 1 Phase C Opened	OFF
Switch 1 Toperate	0.070 s
Switch 1 Alarm Delay	0.000 s
Switch 1 Events	Disabled
Switch 2 Function	Disabled
Switch 2 Name	SW 2
Switch 2 Mode	3-Pole
Switch 2 Open	OFF
Switch 2 Block Open	OFF
Switch 2 Close	OFF
Switch 2 Block Close	OFF
Switch 2 Phase A/3 Pole Closed	OFF
Switch 2 Phase A/3 Pole Opened	OFF
Switch 2 Phase B Closed	OFF
Switch 2 Phase B Opened	OFF
Switch 2 Phase C Closed	OFF
Switch 2 Phase C Opened	OFF
Switch 2 Toperate	0.070 s
Switch 2 Alarm Delay	0.000 s
Switch 2 Events	Disabled
Switch 3 Function	Disabled
Switch 3 Name	SW 3
Switch 3 Mode	3-Pole
Switch 3 Open	OFF
Switch 3 Block Open	OFF
Switch 3 Close	OFF
Switch 3 Block Close	OFF
Switch 3 Phase A/3 Pole Closed	OFF
Switch 3 Phase A/3 Pole Opened	OFF
Switch 3 Phase B Closed	OFF
Switch 3 Phase B Opened	OFF
Switch 3 Phase C Closed	OFF
Switch 3 Phase C Opened	OFF
Switch 3 Toperate	0.070 s
Switch 3 Alarm Delay	0.000 s
Switch 3 Events	Disabled
Switch 4 Function	Disabled
Switch 4 Name	SW 4
Switch 4 Mode	3-Pole
Switch 4 Open	OFF
Switch 4 Block Open	OFF
Switch 4 Close	OFF
Switch 4 Block Close	OFF
Switch 4 Phase A/3 Pole Closed	OFF
Switch 4 Phase A/3 Pole Opened	OFF
Switch 4 Phase B Closed	OFF
Switch 4 Phase B Opened	OFF
Switch 4 Phase C Closed	OFF
Switch 4 Phase C Opened	OFF
Switch 4 Toperate	0.070 s
Switch 4 Alarm Delay	0.000 s
Switch 4 Events	Disabled
Switch 5 Function	Disabled
Switch 5 Name	SW 5
Switch 5 Mode	3-Pole
Switch 5 Open	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SWITCHES (continued from last page)

Switch 5 Block Open	OFF
Switch 5 Close	OFF
Switch 5 Block Close	OFF
Switch 5 Phase A/3 Pole Closed	OFF
Switch 5 Phase A/3 Pole Opened	OFF
Switch 5 Phase B Closed	OFF
Switch 5 Phase B Opened	OFF
Switch 5 Phase C Closed	OFF
Switch 5 Phase C Opened	OFF
Switch 5 Toperate	0.070 s
Switch 5 Alarm Delay	0.000 s
Switch 5 Events	Disabled
Switch 6 Function	Disabled
Switch 6 Name	SW 6
Switch 6 Mode	3-Pole
Switch 6 Open	OFF
Switch 6 Block Open	OFF
Switch 6 Close	OFF
Switch 6 Block Close	OFF
Switch 6 Phase A/3 Pole Closed	OFF
Switch 6 Phase A/3 Pole Opened	OFF
Switch 6 Phase B Closed	OFF
Switch 6 Phase B Opened	OFF
Switch 6 Phase C Closed	OFF
Switch 6 Phase C Opened	OFF
Switch 6 Toperate	0.070 s
Switch 6 Alarm Delay	0.000 s
Switch 6 Events	Disabled
Switch 7 Function	Disabled
Switch 7 Name	SW 7
Switch 7 Mode	3-Pole
Switch 7 Open	OFF
Switch 7 Block Open	OFF
Switch 7 Close	OFF
Switch 7 Block Close	OFF
Switch 7 Phase A/3 Pole Closed	OFF
Switch 7 Phase A/3 Pole Opened	OFF
Switch 7 Phase B Closed	OFF
Switch 7 Phase B Opened	OFF
Switch 7 Phase C Closed	OFF
Switch 7 Phase C Opened	OFF
Switch 7 Toperate	0.070 s
Switch 7 Alarm Delay	0.000 s
Switch 7 Events	Disabled
Switch 8 Function	Disabled
Switch 8 Name	SW 8
Switch 8 Mode	3-Pole
Switch 8 Open	OFF
Switch 8 Block Open	OFF
Switch 8 Close	OFF
Switch 8 Block Close	OFF
Switch 8 Phase A/3 Pole Closed	OFF
Switch 8 Phase A/3 Pole Opened	OFF
Switch 8 Phase B Closed	OFF
Switch 8 Phase B Opened	OFF
Switch 8 Phase C Closed	OFF
Switch 8 Phase C Opened	OFF
Switch 8 Toperate	0.070 s
Switch 8 Alarm Delay	0.000 s
Switch 8 Events	Disabled

FLEXCURVES

FLEXCURVE A

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE A (continued from last page)

0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE A (continued from last page)

4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE B

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE B (continued from last page)

0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE B (continued from last page)

5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE C

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE C (continued from last page)

0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms
1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE C (continued from last page)

11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms
18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXCURVE D

0.00 x PKP	0 ms
0.05 x PKP	0 ms
0.10 x PKP	0 ms
0.15 x PKP	0 ms
0.20 x PKP	0 ms
0.25 x PKP	0 ms
0.30 x PKP	0 ms
0.35 x PKP	0 ms
0.40 x PKP	0 ms
0.45 x PKP	0 ms
0.48 x PKP	0 ms
0.50 x PKP	0 ms
0.52 x PKP	0 ms
0.54 x PKP	0 ms
0.56 x PKP	0 ms
0.58 x PKP	0 ms
0.60 x PKP	0 ms
0.62 x PKP	0 ms
0.64 x PKP	0 ms
0.66 x PKP	0 ms
0.68 x PKP	0 ms
0.70 x PKP	0 ms
0.72 x PKP	0 ms
0.74 x PKP	0 ms
0.76 x PKP	0 ms
0.78 x PKP	0 ms
0.80 x PKP	0 ms
0.82 x PKP	0 ms
0.84 x PKP	0 ms
0.86 x PKP	0 ms
0.88 x PKP	0 ms
0.90 x PKP	0 ms
0.91 x PKP	0 ms
0.92 x PKP	0 ms
0.93 x PKP	0 ms
0.94 x PKP	0 ms
0.95 x PKP	0 ms
0.96 x PKP	0 ms
0.97 x PKP	0 ms
0.98 x PKP	0 ms
1.03 x PKP	0 ms
1.05 x PKP	0 ms
1.10 x PKP	0 ms
1.20 x PKP	0 ms
1.30 x PKP	0 ms
1.40 x PKP	0 ms
1.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE D (continued from last page)

1.60 x PKP	0 ms
1.70 x PKP	0 ms
1.80 x PKP	0 ms
1.90 x PKP	0 ms
2.00 x PKP	0 ms
2.10 x PKP	0 ms
2.20 x PKP	0 ms
2.30 x PKP	0 ms
2.40 x PKP	0 ms
2.50 x PKP	0 ms
2.60 x PKP	0 ms
2.70 x PKP	0 ms
2.80 x PKP	0 ms
2.90 x PKP	0 ms
3.00 x PKP	0 ms
3.10 x PKP	0 ms
3.20 x PKP	0 ms
3.30 x PKP	0 ms
3.40 x PKP	0 ms
3.50 x PKP	0 ms
3.60 x PKP	0 ms
3.70 x PKP	0 ms
3.80 x PKP	0 ms
3.90 x PKP	0 ms
4.00 x PKP	0 ms
4.10 x PKP	0 ms
4.20 x PKP	0 ms
4.30 x PKP	0 ms
4.40 x PKP	0 ms
4.50 x PKP	0 ms
4.60 x PKP	0 ms
4.70 x PKP	0 ms
4.80 x PKP	0 ms
4.90 x PKP	0 ms
5.00 x PKP	0 ms
5.10 x PKP	0 ms
5.20 x PKP	0 ms
5.30 x PKP	0 ms
5.40 x PKP	0 ms
5.50 x PKP	0 ms
5.60 x PKP	0 ms
5.70 x PKP	0 ms
5.80 x PKP	0 ms
5.90 x PKP	0 ms
6.00 x PKP	0 ms
6.50 x PKP	0 ms
7.00 x PKP	0 ms
7.50 x PKP	0 ms
8.00 x PKP	0 ms
8.50 x PKP	0 ms
9.00 x PKP	0 ms
9.50 x PKP	0 ms
10.00 x PKP	0 ms
10.50 x PKP	0 ms
11.00 x PKP	0 ms
11.50 x PKP	0 ms
12.00 x PKP	0 ms
12.50 x PKP	0 ms
13.00 x PKP	0 ms
13.50 x PKP	0 ms
14.00 x PKP	0 ms
14.50 x PKP	0 ms
15.00 x PKP	0 ms
15.50 x PKP	0 ms
16.00 x PKP	0 ms
16.50 x PKP	0 ms
17.00 x PKP	0 ms
17.50 x PKP	0 ms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXCURVE D (continued from last page)

18.00 x PKP	0 ms
18.50 x PKP	0 ms
19.00 x PKP	0 ms
19.50 x PKP	0 ms
20.00 x PKP	0 ms

FLEXLOGIC

FLEXLOGIC EQUATION EDITOR

FlexLogic Entry 1	P.EXT.50BF-A On(P7a)
FlexLogic Entry 2	TRIP PHASE A
FlexLogic Entry 3	OR(2)
FlexLogic Entry 4	= PART 50BF-A (VO1)
FlexLogic Entry 5	P.EXT.50BF-B On(P7c)
FlexLogic Entry 6	TRIP PHASE B
FlexLogic Entry 7	OR(2)
FlexLogic Entry 8	= PART 50BF-B (VO2)
FlexLogic Entry 9	P.EXT.50BF-C On(P8a)
FlexLogic Entry 10	TRIP PHASE C
FlexLogic Entry 11	OR(2)
FlexLogic Entry 12	= PART 50BF-C (VO3)
FlexLogic Entry 13	PART 50BF-A On (VO1)
FlexLogic Entry 14	PART 50BF-B On (VO2)
FlexLogic Entry 15	PART 50BF-C On (VO3)
FlexLogic Entry 16	RX TRIP REM On(P8c)
FlexLogic Entry 17	OR(4)
FlexLogic Entry 18	= PART 50BF 3P (VO4)
FlexLogic Entry 19	P.EXT. 79 S1 On(W5a)
FlexLogic Entry 20	52B3 CE Off(H8c)
FlexLogic Entry 21	AND(2)
FlexLogic Entry 22	TIMER 6
FlexLogic Entry 23	TRIPBUS 2 OP
FlexLogic Entry 24	OR(2)
FlexLogic Entry 25	= PART 79 3P (VO5)
FlexLogic Entry 26	52B3-AL-SF6 On (RI1)
FlexLogic Entry 27	Off
FlexLogic Entry 28	OR(2)
FlexLogic Entry 29	= BLOCK 79 (VO6)
FlexLogic Entry 30	52B3 CE On(H8c)
FlexLogic Entry 31	POSITIVE ONE SHOT
FlexLogic Entry 32	79 RIP On (VO28)
FlexLogic Entry 33	NOT
FlexLogic Entry 34	AND(2)
FlexLogic Entry 35	52B3 CE MAN On(W2a)
FlexLogic Entry 36	POSITIVE ONE SHOT
FlexLogic Entry 37	OR(2)
FlexLogic Entry 38	= CE MAN 52B3 (VO7)
FlexLogic Entry 39	TRIPBUS 1 OP
FlexLogic Entry 40	TRIPBUS 2 OP
FlexLogic Entry 41	OR(2)
FlexLogic Entry 42	= TRIP PROT. (VO9)
FlexLogic Entry 43	AR CLOSE BKR 1
FlexLogic Entry 44	= CLOSE PROT. (VO10)
FlexLogic Entry 45	TRIP PROT. On (VO9)
FlexLogic Entry 46	POSITIVE ONE SHOT
FlexLogic Entry 47	CLOSE PROT. On (VO10)
FlexLogic Entry 48	POSITIVE ONE SHOT
FlexLogic Entry 49	TRIP 21S1 On (RI7)
FlexLogic Entry 50	POSITIVE ONE SHOT
FlexLogic Entry 51	52B3 CE On(H8c)
FlexLogic Entry 52	POSITIVE ONE SHOT
FlexLogic Entry 53	OR(4)
FlexLogic Entry 54	TIMER 32
FlexLogic Entry 55	= OSCIOGRAFIA (VO13)
FlexLogic Entry 56	PH DIST Z1 OP
FlexLogic Entry 57	GND DIST Z1 OP
FlexLogic Entry 58	OR(2)
FlexLogic Entry 59	TIMER 7
FlexLogic Entry 60	= SCA OP 21 Z1 (VO14)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 61	PH DIST Z2 OP
FlexLogic Entry 62	GND DIST Z2 OP
FlexLogic Entry 63	OR(2)
FlexLogic Entry 64	TIMER 8
FlexLogic Entry 65	= SCA OP 21 Z2 (VO15)
FlexLogic Entry 66	PH DIST Z3 OP
FlexLogic Entry 67	GND DIST Z3 OP
FlexLogic Entry 68	OR(2)
FlexLogic Entry 69	TIMER 9
FlexLogic Entry 70	= SCA OP 21 Z3 (VO16)
FlexLogic Entry 71	PH DIST Z4 OP
FlexLogic Entry 72	GND DIST Z4 OP
FlexLogic Entry 73	OR(2)
FlexLogic Entry 74	TIMER 10
FlexLogic Entry 75	= SCA OP 21 Z4 (VO17)
FlexLogic Entry 76	PH DIST Z5 OP
FlexLogic Entry 77	GND DIST Z5 OP
FlexLogic Entry 78	OR(2)
FlexLogic Entry 79	TIMER 11
FlexLogic Entry 80	= SCA OP 21 Z5 (VO18)
FlexLogic Entry 81	PHASE IOC1 OP
FlexLogic Entry 82	PHASE TOC1 OP
FlexLogic Entry 83	OR(2)
FlexLogic Entry 84	TIMER 12
FlexLogic Entry 85	= SCA OP 51P (VO19)
FlexLogic Entry 86	NEUTRAL IOC1 OP
FlexLogic Entry 87	NEUTRAL TOC1 OP
FlexLogic Entry 88	OR(2)
FlexLogic Entry 89	TIMER 13
FlexLogic Entry 90	= SCA OP 51N (VO20)
FlexLogic Entry 91	LINE PICKUP OP
FlexLogic Entry 92	TIMER 14
FlexLogic Entry 93	= SCA OP LINE (VO21)
FlexLogic Entry 94	52B3 CE On(H8c)
FlexLogic Entry 95	TIMER 5
FlexLogic Entry 96	= BLOCK SOTF (VO22)
FlexLogic Entry 97	S79 S2 ON On(U7c)
FlexLogic Entry 98	CTRL HAB 79 On(W1a)
FlexLogic Entry 99	AND(2)
FlexLogic Entry 100	= HAB 79 VO23 (VO23)
FlexLogic Entry 101	S79 S2 ON On(U7c)
FlexLogic Entry 102	NOT
FlexLogic Entry 103	CTRL DES 79 On(W1c)
FlexLogic Entry 104	S79 S1 ON On(U7a)
FlexLogic Entry 105	OR(3)
FlexLogic Entry 106	= DES 79 VO24 (VO24)
FlexLogic Entry 107	LATCH 1 ON
FlexLogic Entry 108	BLOCK 79 On (VO6)
FlexLogic Entry 109	OR(2)
FlexLogic Entry 110	= DES/HAB 79 (VO25)
FlexLogic Entry 111	52B3 CE On(H8c)
FlexLogic Entry 112	POSITIVE ONE SHOT
FlexLogic Entry 113	79 RIP On (VO28)
FlexLogic Entry 114	NOT
FlexLogic Entry 115	AND(2)
FlexLogic Entry 116	52B3 CE On(H8c)
FlexLogic Entry 117	LED TRIP
FlexLogic Entry 118	AND(2)
FlexLogic Entry 119	TIMER 2
FlexLogic Entry 120	POSITIVE ONE SHOT
FlexLogic Entry 121	OR(2)
FlexLogic Entry 122	TIMER 3
FlexLogic Entry 123	= RST DEVICE (VO26)
FlexLogic Entry 124	PH DIST Z2 PKP
FlexLogic Entry 125	GND DIST Z2 PKP
FlexLogic Entry 126	NTRL DIR OC1 FWD
FlexLogic Entry 127	OR(3)
FlexLogic Entry 128	= TX 85A/C (VO27)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 129	TRIP 1-POLE
FlexLogic Entry 130	TRIP 3-POLE
FlexLogic Entry 131	CLOSE PROT. On (VO10)
FlexLogic Entry 132	OR(3)
FlexLogic Entry 133	= TDD PROT. (VO11)
FlexLogic Entry 134	AR CLOSE BKR 1
FlexLogic Entry 135	TIMER 4
FlexLogic Entry 136	= 79 RIP (VO28)
FlexLogic Entry 137	TRIP PROT. On (VO9)
FlexLogic Entry 138	OP 21S1 Z1 On(W2c)
FlexLogic Entry 139	OP 21S1 Z2 On(W3a)
FlexLogic Entry 140	OP 21S1 Z3 On(W3c)
FlexLogic Entry 141	OP 21S1 Z4 On(W4a)
FlexLogic Entry 142	OR(5)
FlexLogic Entry 143	POSITIVE ONE SHOT
FlexLogic Entry 144	= TRIP FAULT R (VO30)
FlexLogic Entry 145	P.EXT. 79 S1 On(W5a)
FlexLogic Entry 146	52B3 CE Off(H8c)
FlexLogic Entry 147	AND(2)
FlexLogic Entry 148	= PEXT 79S1 OK (VO31)
FlexLogic Entry 149	NEG SEQ IOC1 OP
FlexLogic Entry 150	TIMER 15
FlexLogic Entry 151	= SCA OP 46 (VO38)
FlexLogic Entry 152	AR CLOSE BKR 1
FlexLogic Entry 153	TIMER 16
FlexLogic Entry 154	= SCA OP 79 S2 (VO34)
FlexLogic Entry 155	AR CLOSE BKR 1
FlexLogic Entry 156	OP 79 SIST.1 On(W6a)
FlexLogic Entry 157	OR(2)
FlexLogic Entry 158	TIMER 17
FlexLogic Entry 159	= SCA OP 79 B3 (VO35)
FlexLogic Entry 160	TRIP FAULT R On (VO30)
FlexLogic Entry 161	TIMER 18
FlexLogic Entry 162	= SCA FAULT R (VO36)
FlexLogic Entry 163	BKR FAIL 1 T1 OP
FlexLogic Entry 164	TIMER 19
FlexLogic Entry 165	= SCA OP 50BF (VO33)
FlexLogic Entry 166	TRIPBUS 1 OP
FlexLogic Entry 167	TRIPBUS 2 OP
FlexLogic Entry 168	OP 21S1 Z1 On(W2c)
FlexLogic Entry 169	OP 21S1 Z2 On(W3a)
FlexLogic Entry 170	OP 21S1 Z3 On(W3c)
FlexLogic Entry 171	OP 21S1 Z4 On(W4a)
FlexLogic Entry 172	OR(6)
FlexLogic Entry 173	TIMER 20
FlexLogic Entry 174	= SCA ANY B3 (VO37)
FlexLogic Entry 175	Off
FlexLogic Entry 176	TIMER 21
FlexLogic Entry 177	= SCA CUT LINE (VO39)
FlexLogic Entry 178	86B3 OP On (R15)
FlexLogic Entry 179	RX TRIP REM On(P8c)
FlexLogic Entry 180	Rx TRIP B3 On (R16)
FlexLogic Entry 181	OR(3)
FlexLogic Entry 182	TIMER 22
FlexLogic Entry 183	= SC AP B3 Rx (VO40)
FlexLogic Entry 184	OP 21S1 Z1 On(W2c)
FlexLogic Entry 185	TIMER 23
FlexLogic Entry 186	= OP 21S1 Z1 (VO41)
FlexLogic Entry 187	OP 21S1 Z2 On(W3a)
FlexLogic Entry 188	TIMER 24
FlexLogic Entry 189	= OP 21S1 Z2 (VO42)
FlexLogic Entry 190	OP 21S1 Z3 On(W3c)
FlexLogic Entry 191	TIMER 25
FlexLogic Entry 192	= OP 21S1 Z3 (VO43)
FlexLogic Entry 193	OP 21S1 Z4 On(W4a)
FlexLogic Entry 194	TIMER 26
FlexLogic Entry 195	= OP 21S1 Z4 (VO44)
FlexLogic Entry 196	OP 79 SIST.1 On(W6a)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 197	TIMER 27
FlexLogic Entry 198	= OP 79 SIST.1 (VO45)
FlexLogic Entry 199	PH DIR1 BLK A
FlexLogic Entry 200	= PH DIR1 BLKA (VO46)
FlexLogic Entry 201	PH DIR1 BLK B
FlexLogic Entry 202	= PH DIR1 BLKB (VO47)
FlexLogic Entry 203	PH DIR1 BLK C
FlexLogic Entry 204	= PH DIR1 BLKC (VO48)
FlexLogic Entry 205	END
FlexLogic Entry 206	END
FlexLogic Entry 207	END
FlexLogic Entry 208	END
FlexLogic Entry 209	END
FlexLogic Entry 210	END
FlexLogic Entry 211	END
FlexLogic Entry 212	END
FlexLogic Entry 213	END
FlexLogic Entry 214	END
FlexLogic Entry 215	END
FlexLogic Entry 216	END
FlexLogic Entry 217	END
FlexLogic Entry 218	END
FlexLogic Entry 219	END
FlexLogic Entry 220	END
FlexLogic Entry 221	END
FlexLogic Entry 222	END
FlexLogic Entry 223	END
FlexLogic Entry 224	END
FlexLogic Entry 225	END
FlexLogic Entry 226	END
FlexLogic Entry 227	END
FlexLogic Entry 228	END
FlexLogic Entry 229	END
FlexLogic Entry 230	END
FlexLogic Entry 231	END
FlexLogic Entry 232	END
FlexLogic Entry 233	END
FlexLogic Entry 234	END
FlexLogic Entry 235	END
FlexLogic Entry 236	END
FlexLogic Entry 237	END
FlexLogic Entry 238	END
FlexLogic Entry 239	END
FlexLogic Entry 240	END
FlexLogic Entry 241	END
FlexLogic Entry 242	END
FlexLogic Entry 243	END
FlexLogic Entry 244	END
FlexLogic Entry 245	END
FlexLogic Entry 246	END
FlexLogic Entry 247	END
FlexLogic Entry 248	END
FlexLogic Entry 249	END
FlexLogic Entry 250	END
FlexLogic Entry 251	END
FlexLogic Entry 252	END
FlexLogic Entry 253	END
FlexLogic Entry 254	END
FlexLogic Entry 255	END
FlexLogic Entry 256	END
FlexLogic Entry 257	END
FlexLogic Entry 258	END
FlexLogic Entry 259	END
FlexLogic Entry 260	END
FlexLogic Entry 261	END
FlexLogic Entry 262	END
FlexLogic Entry 263	END
FlexLogic Entry 264	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 265	END
FlexLogic Entry 266	END
FlexLogic Entry 267	END
FlexLogic Entry 268	END
FlexLogic Entry 269	END
FlexLogic Entry 270	END
FlexLogic Entry 271	END
FlexLogic Entry 272	END
FlexLogic Entry 273	END
FlexLogic Entry 274	END
FlexLogic Entry 275	END
FlexLogic Entry 276	END
FlexLogic Entry 277	END
FlexLogic Entry 278	END
FlexLogic Entry 279	END
FlexLogic Entry 280	END
FlexLogic Entry 281	END
FlexLogic Entry 282	END
FlexLogic Entry 283	END
FlexLogic Entry 284	END
FlexLogic Entry 285	END
FlexLogic Entry 286	END
FlexLogic Entry 287	END
FlexLogic Entry 288	END
FlexLogic Entry 289	END
FlexLogic Entry 290	END
FlexLogic Entry 291	END
FlexLogic Entry 292	END
FlexLogic Entry 293	END
FlexLogic Entry 294	END
FlexLogic Entry 295	END
FlexLogic Entry 296	END
FlexLogic Entry 297	END
FlexLogic Entry 298	END
FlexLogic Entry 299	END
FlexLogic Entry 300	END
FlexLogic Entry 301	END
FlexLogic Entry 302	END
FlexLogic Entry 303	END
FlexLogic Entry 304	END
FlexLogic Entry 305	END
FlexLogic Entry 306	END
FlexLogic Entry 307	END
FlexLogic Entry 308	END
FlexLogic Entry 309	END
FlexLogic Entry 310	END
FlexLogic Entry 311	END
FlexLogic Entry 312	END
FlexLogic Entry 313	END
FlexLogic Entry 314	END
FlexLogic Entry 315	END
FlexLogic Entry 316	END
FlexLogic Entry 317	END
FlexLogic Entry 318	END
FlexLogic Entry 319	END
FlexLogic Entry 320	END
FlexLogic Entry 321	END
FlexLogic Entry 322	END
FlexLogic Entry 323	END
FlexLogic Entry 324	END
FlexLogic Entry 325	END
FlexLogic Entry 326	END
FlexLogic Entry 327	END
FlexLogic Entry 328	END
FlexLogic Entry 329	END
FlexLogic Entry 330	END
FlexLogic Entry 331	END
FlexLogic Entry 332	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 333	END
FlexLogic Entry 334	END
FlexLogic Entry 335	END
FlexLogic Entry 336	END
FlexLogic Entry 337	END
FlexLogic Entry 338	END
FlexLogic Entry 339	END
FlexLogic Entry 340	END
FlexLogic Entry 341	END
FlexLogic Entry 342	END
FlexLogic Entry 343	END
FlexLogic Entry 344	END
FlexLogic Entry 345	END
FlexLogic Entry 346	END
FlexLogic Entry 347	END
FlexLogic Entry 348	END
FlexLogic Entry 349	END
FlexLogic Entry 350	END
FlexLogic Entry 351	END
FlexLogic Entry 352	END
FlexLogic Entry 353	END
FlexLogic Entry 354	END
FlexLogic Entry 355	END
FlexLogic Entry 356	END
FlexLogic Entry 357	END
FlexLogic Entry 358	END
FlexLogic Entry 359	END
FlexLogic Entry 360	END
FlexLogic Entry 361	END
FlexLogic Entry 362	END
FlexLogic Entry 363	END
FlexLogic Entry 364	END
FlexLogic Entry 365	END
FlexLogic Entry 366	END
FlexLogic Entry 367	END
FlexLogic Entry 368	END
FlexLogic Entry 369	END
FlexLogic Entry 370	END
FlexLogic Entry 371	END
FlexLogic Entry 372	END
FlexLogic Entry 373	END
FlexLogic Entry 374	END
FlexLogic Entry 375	END
FlexLogic Entry 376	END
FlexLogic Entry 377	END
FlexLogic Entry 378	END
FlexLogic Entry 379	END
FlexLogic Entry 380	END
FlexLogic Entry 381	END
FlexLogic Entry 382	END
FlexLogic Entry 383	END
FlexLogic Entry 384	END
FlexLogic Entry 385	END
FlexLogic Entry 386	END
FlexLogic Entry 387	END
FlexLogic Entry 388	END
FlexLogic Entry 389	END
FlexLogic Entry 390	END
FlexLogic Entry 391	END
FlexLogic Entry 392	END
FlexLogic Entry 393	END
FlexLogic Entry 394	END
FlexLogic Entry 395	END
FlexLogic Entry 396	END
FlexLogic Entry 397	END
FlexLogic Entry 398	END
FlexLogic Entry 399	END
FlexLogic Entry 400	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 401	END
FlexLogic Entry 402	END
FlexLogic Entry 403	END
FlexLogic Entry 404	END
FlexLogic Entry 405	END
FlexLogic Entry 406	END
FlexLogic Entry 407	END
FlexLogic Entry 408	END
FlexLogic Entry 409	END
FlexLogic Entry 410	END
FlexLogic Entry 411	END
FlexLogic Entry 412	END
FlexLogic Entry 413	END
FlexLogic Entry 414	END
FlexLogic Entry 415	END
FlexLogic Entry 416	END
FlexLogic Entry 417	END
FlexLogic Entry 418	END
FlexLogic Entry 419	END
FlexLogic Entry 420	END
FlexLogic Entry 421	END
FlexLogic Entry 422	END
FlexLogic Entry 423	END
FlexLogic Entry 424	END
FlexLogic Entry 425	END
FlexLogic Entry 426	END
FlexLogic Entry 427	END
FlexLogic Entry 428	END
FlexLogic Entry 429	END
FlexLogic Entry 430	END
FlexLogic Entry 431	END
FlexLogic Entry 432	END
FlexLogic Entry 433	END
FlexLogic Entry 434	END
FlexLogic Entry 435	END
FlexLogic Entry 436	END
FlexLogic Entry 437	END
FlexLogic Entry 438	END
FlexLogic Entry 439	END
FlexLogic Entry 440	END
FlexLogic Entry 441	END
FlexLogic Entry 442	END
FlexLogic Entry 443	END
FlexLogic Entry 444	END
FlexLogic Entry 445	END
FlexLogic Entry 446	END
FlexLogic Entry 447	END
FlexLogic Entry 448	END
FlexLogic Entry 449	END
FlexLogic Entry 450	END
FlexLogic Entry 451	END
FlexLogic Entry 452	END
FlexLogic Entry 453	END
FlexLogic Entry 454	END
FlexLogic Entry 455	END
FlexLogic Entry 456	END
FlexLogic Entry 457	END
FlexLogic Entry 458	END
FlexLogic Entry 459	END
FlexLogic Entry 460	END
FlexLogic Entry 461	END
FlexLogic Entry 462	END
FlexLogic Entry 463	END
FlexLogic Entry 464	END
FlexLogic Entry 465	END
FlexLogic Entry 466	END
FlexLogic Entry 467	END
FlexLogic Entry 468	END

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC EQUATION EDITOR (continued from last page)

FlexLogic Entry 469	END
FlexLogic Entry 470	END
FlexLogic Entry 471	END
FlexLogic Entry 472	END
FlexLogic Entry 473	END
FlexLogic Entry 474	END
FlexLogic Entry 475	END
FlexLogic Entry 476	END
FlexLogic Entry 477	END
FlexLogic Entry 478	END
FlexLogic Entry 479	END
FlexLogic Entry 480	END
FlexLogic Entry 481	END
FlexLogic Entry 482	END
FlexLogic Entry 483	END
FlexLogic Entry 484	END
FlexLogic Entry 485	END
FlexLogic Entry 486	END
FlexLogic Entry 487	END
FlexLogic Entry 488	END
FlexLogic Entry 489	END
FlexLogic Entry 490	END
FlexLogic Entry 491	END
FlexLogic Entry 492	END
FlexLogic Entry 493	END
FlexLogic Entry 494	END
FlexLogic Entry 495	END
FlexLogic Entry 496	END
FlexLogic Entry 497	END
FlexLogic Entry 498	END
FlexLogic Entry 499	END
FlexLogic Entry 500	END
FlexLogic Entry 501	END
FlexLogic Entry 502	END
FlexLogic Entry 503	END
FlexLogic Entry 504	END
FlexLogic Entry 505	END
FlexLogic Entry 506	END
FlexLogic Entry 507	END
FlexLogic Entry 508	END
FlexLogic Entry 509	END
FlexLogic Entry 510	END
FlexLogic Entry 511	END
FlexLogic Entry 512	END

FLEXLOGIC TIMERS

Timer 1: Type	millisecond
Timer 1: Pickup Delay	0
Timer 1: Dropout Delay	150
Timer 2: Type	minute
Timer 2: Pickup Delay	720
Timer 2: Dropout Delay	0
Timer 3: Type	millisecond
Timer 3: Pickup Delay	0
Timer 3: Dropout Delay	400
Timer 4: Type	second
Timer 4: Pickup Delay	0
Timer 4: Dropout Delay	2
Timer 5: Type	millisecond
Timer 5: Pickup Delay	150
Timer 5: Dropout Delay	0
Timer 6: Type	millisecond
Timer 6: Pickup Delay	5
Timer 6: Dropout Delay	0
Timer 7: Type	millisecond
Timer 7: Pickup Delay	0
Timer 7: Dropout Delay	500
Timer 8: Type	millisecond

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC TIMERS (continued from last page)

Timer 8: Pickup Delay	0
Timer 8: Dropout Delay	500
Timer 9: Type	millisecond
Timer 9: Pickup Delay	0
Timer 9: Dropout Delay	500
Timer 10: Type	millisecond
Timer 10: Pickup Delay	0
Timer 10: Dropout Delay	500
Timer 11: Type	millisecond
Timer 11: Pickup Delay	0
Timer 11: Dropout Delay	500
Timer 12: Type	millisecond
Timer 12: Pickup Delay	0
Timer 12: Dropout Delay	500
Timer 13: Type	millisecond
Timer 13: Pickup Delay	0
Timer 13: Dropout Delay	500
Timer 14: Type	millisecond
Timer 14: Pickup Delay	0
Timer 14: Dropout Delay	500
Timer 15: Type	millisecond
Timer 15: Pickup Delay	0
Timer 15: Dropout Delay	500
Timer 16: Type	millisecond
Timer 16: Pickup Delay	0
Timer 16: Dropout Delay	500
Timer 17: Type	millisecond
Timer 17: Pickup Delay	0
Timer 17: Dropout Delay	500
Timer 18: Type	millisecond
Timer 18: Pickup Delay	0
Timer 18: Dropout Delay	500
Timer 19: Type	millisecond
Timer 19: Pickup Delay	0
Timer 19: Dropout Delay	500
Timer 20: Type	millisecond
Timer 20: Pickup Delay	0
Timer 20: Dropout Delay	500
Timer 21: Type	millisecond
Timer 21: Pickup Delay	0
Timer 21: Dropout Delay	500
Timer 22: Type	millisecond
Timer 22: Pickup Delay	0
Timer 22: Dropout Delay	500
Timer 23: Type	millisecond
Timer 23: Pickup Delay	0
Timer 23: Dropout Delay	500
Timer 24: Type	millisecond
Timer 24: Pickup Delay	0
Timer 24: Dropout Delay	500
Timer 25: Type	millisecond
Timer 25: Pickup Delay	0
Timer 25: Dropout Delay	500
Timer 26: Type	millisecond
Timer 26: Pickup Delay	0
Timer 26: Dropout Delay	500
Timer 27: Type	millisecond
Timer 27: Pickup Delay	0
Timer 27: Dropout Delay	500
Timer 28: Type	millisecond
Timer 28: Pickup Delay	0
Timer 28: Dropout Delay	0
Timer 29: Type	millisecond
Timer 29: Pickup Delay	0
Timer 29: Dropout Delay	0
Timer 30: Type	millisecond
Timer 30: Pickup Delay	0
Timer 30: Dropout Delay	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXLOGIC TIMERS (continued from last page)

Timer 31: Type	millisecond
Timer 31: Pickup Delay	0
Timer 31: Dropout Delay	0
Timer 32: Type	millisecond
Timer 32: Pickup Delay	0
Timer 32: Dropout Delay	200

FLEXELEMENTS

FLEXELEMENTS 1: Function	Disabled
FLEXELEMENTS 1: Name	FxE 1
FLEXELEMENTS 1: InputPlus	OFF
FLEXELEMENTS 1: InputMinus	OFF
FLEXELEMENTS 1: InputMode	SIGNED
FLEXELEMENTS 1: Compare Mode	LEVEL
FLEXELEMENTS 1: Direction Type	OVER
FLEXELEMENTS 1: Pickup	1.000 pu
FLEXELEMENTS 1: Hysteresis	3.0 %
FLEXELEMENTS 1: DeltaTUnits	Milliseconds
FLEXELEMENTS 1: DeltaT	20
FLEXELEMENTS 1: Pickup Delay	0.000 s
FLEXELEMENTS 1: Reset Delay	0.000 s
FLEXELEMENTS 1: Block	OFF
FLEXELEMENTS 1: Target	Self-reset
FLEXELEMENTS 1: Events	Disabled
FLEXELEMENTS 2: Function	Disabled
FLEXELEMENTS 2: Name	FxE 2
FLEXELEMENTS 2: InputPlus	OFF
FLEXELEMENTS 2: InputMinus	OFF
FLEXELEMENTS 2: InputMode	SIGNED
FLEXELEMENTS 2: Compare Mode	LEVEL
FLEXELEMENTS 2: Direction Type	OVER
FLEXELEMENTS 2: Pickup	1.000 pu
FLEXELEMENTS 2: Hysteresis	3.0 %
FLEXELEMENTS 2: DeltaTUnits	Milliseconds
FLEXELEMENTS 2: DeltaT	20
FLEXELEMENTS 2: Pickup Delay	0.000 s
FLEXELEMENTS 2: Reset Delay	0.000 s
FLEXELEMENTS 2: Block	OFF
FLEXELEMENTS 2: Target	Self-reset
FLEXELEMENTS 2: Events	Disabled
FLEXELEMENTS 3: Function	Disabled
FLEXELEMENTS 3: Name	FxE 3
FLEXELEMENTS 3: InputPlus	OFF
FLEXELEMENTS 3: InputMinus	OFF
FLEXELEMENTS 3: InputMode	SIGNED
FLEXELEMENTS 3: Compare Mode	LEVEL
FLEXELEMENTS 3: Direction Type	OVER
FLEXELEMENTS 3: Pickup	1.000 pu
FLEXELEMENTS 3: Hysteresis	3.0 %
FLEXELEMENTS 3: DeltaTUnits	Milliseconds
FLEXELEMENTS 3: DeltaT	20
FLEXELEMENTS 3: Pickup Delay	0.000 s
FLEXELEMENTS 3: Reset Delay	0.000 s
FLEXELEMENTS 3: Block	OFF
FLEXELEMENTS 3: Target	Self-reset
FLEXELEMENTS 3: Events	Disabled
FLEXELEMENTS 4: Function	Disabled
FLEXELEMENTS 4: Name	FxE 4
FLEXELEMENTS 4: InputPlus	OFF
FLEXELEMENTS 4: InputMinus	OFF
FLEXELEMENTS 4: InputMode	SIGNED
FLEXELEMENTS 4: Compare Mode	LEVEL
FLEXELEMENTS 4: Direction Type	OVER
FLEXELEMENTS 4: Pickup	1.000 pu
FLEXELEMENTS 4: Hysteresis	3.0 %
FLEXELEMENTS 4: DeltaTUnits	Milliseconds
FLEXELEMENTS 4: DeltaT	20
FLEXELEMENTS 4: Pickup Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEXELEMENTS (continued from last page)

FLEXELEMENTS 4: Reset Delay	0.000 s
FLEXELEMENTS 4: Block	OFF
FLEXELEMENTS 4: Target	Self-reset
FLEXELEMENTS 4: Events	Disabled
FLEXELEMENTS 5: Function	Disabled
FLEXELEMENTS 5: Name	FxE 5
FLEXELEMENTS 5: InputPlus	OFF
FLEXELEMENTS 5: InputMinus	OFF
FLEXELEMENTS 5: InputMode	SIGNED
FLEXELEMENTS 5: Compare Mode	LEVEL
FLEXELEMENTS 5: Direction Type	OVER
FLEXELEMENTS 5: Pickup	1.000 pu
FLEXELEMENTS 5: Hysteresis	3.0 %
FLEXELEMENTS 5: DeltaTUnits	Milliseconds
FLEXELEMENTS 5: DeltaT	20
FLEXELEMENTS 5: Pickup Delay	0.000 s
FLEXELEMENTS 5: Reset Delay	0.000 s
FLEXELEMENTS 5: Block	OFF
FLEXELEMENTS 5: Target	Self-reset
FLEXELEMENTS 5: Events	Disabled
FLEXELEMENTS 6: Function	Disabled
FLEXELEMENTS 6: Name	FxE 6
FLEXELEMENTS 6: InputPlus	OFF
FLEXELEMENTS 6: InputMinus	OFF
FLEXELEMENTS 6: InputMode	SIGNED
FLEXELEMENTS 6: Compare Mode	LEVEL
FLEXELEMENTS 6: Direction Type	OVER
FLEXELEMENTS 6: Pickup	1.000 pu
FLEXELEMENTS 6: Hysteresis	3.0 %
FLEXELEMENTS 6: DeltaTUnits	Milliseconds
FLEXELEMENTS 6: DeltaT	20
FLEXELEMENTS 6: Pickup Delay	0.000 s
FLEXELEMENTS 6: Reset Delay	0.000 s
FLEXELEMENTS 6: Block	OFF
FLEXELEMENTS 6: Target	Self-reset
FLEXELEMENTS 6: Events	Disabled
FLEXELEMENTS 7: Function	Disabled
FLEXELEMENTS 7: Name	FxE 7
FLEXELEMENTS 7: InputPlus	OFF
FLEXELEMENTS 7: InputMinus	OFF
FLEXELEMENTS 7: InputMode	SIGNED
FLEXELEMENTS 7: Compare Mode	LEVEL
FLEXELEMENTS 7: Direction Type	OVER
FLEXELEMENTS 7: Pickup	1.000 pu
FLEXELEMENTS 7: Hysteresis	3.0 %
FLEXELEMENTS 7: DeltaTUnits	Milliseconds
FLEXELEMENTS 7: DeltaT	20
FLEXELEMENTS 7: Pickup Delay	0.000 s
FLEXELEMENTS 7: Reset Delay	0.000 s
FLEXELEMENTS 7: Block	OFF
FLEXELEMENTS 7: Target	Self-reset
FLEXELEMENTS 7: Events	Disabled
FLEXELEMENTS 8: Function	Disabled
FLEXELEMENTS 8: Name	FxE 8
FLEXELEMENTS 8: InputPlus	OFF
FLEXELEMENTS 8: InputMinus	OFF
FLEXELEMENTS 8: InputMode	SIGNED
FLEXELEMENTS 8: Compare Mode	LEVEL
FLEXELEMENTS 8: Direction Type	OVER
FLEXELEMENTS 8: Pickup	1.000 pu
FLEXELEMENTS 8: Hysteresis	3.0 %
FLEXELEMENTS 8: DeltaTUnits	Milliseconds
FLEXELEMENTS 8: DeltaT	20
FLEXELEMENTS 8: Pickup Delay	0.000 s
FLEXELEMENTS 8: Reset Delay	0.000 s
FLEXELEMENTS 8: Block	OFF
FLEXELEMENTS 8: Target	Self-reset
FLEXELEMENTS 8: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NON-VOLATILE LATCHES

LATCH 1: Function	Enabled
LATCH 1: Type	Set Dominant
LATCH 1: Set	DES 79 VO24 On (VO24)
LATCH 1: Reset	HAB 79 VO23 On (VO23)
LATCH 1: Target	Disabled
LATCH 1: Events	Disabled
LATCH 2: Function	Disabled
LATCH 2: Type	Reset Dominant
LATCH 2: Set	OFF
LATCH 2: Reset	OFF
LATCH 2: Target	Self-reset
LATCH 2: Events	Disabled
LATCH 3: Function	Disabled
LATCH 3: Type	Reset Dominant
LATCH 3: Set	OFF
LATCH 3: Reset	OFF
LATCH 3: Target	Self-reset
LATCH 3: Events	Disabled
LATCH 4: Function	Disabled
LATCH 4: Type	Reset Dominant
LATCH 4: Set	OFF
LATCH 4: Reset	OFF
LATCH 4: Target	Self-reset
LATCH 4: Events	Disabled
LATCH 5: Function	Disabled
LATCH 5: Type	Reset Dominant
LATCH 5: Set	OFF
LATCH 5: Reset	OFF
LATCH 5: Target	Self-reset
LATCH 5: Events	Disabled
LATCH 6: Function	Disabled
LATCH 6: Type	Reset Dominant
LATCH 6: Set	OFF
LATCH 6: Reset	OFF
LATCH 6: Target	Self-reset
LATCH 6: Events	Disabled
LATCH 7: Function	Disabled
LATCH 7: Type	Reset Dominant
LATCH 7: Set	OFF
LATCH 7: Reset	OFF
LATCH 7: Target	Self-reset
LATCH 7: Events	Disabled
LATCH 8: Function	Disabled
LATCH 8: Type	Reset Dominant
LATCH 8: Set	OFF
LATCH 8: Reset	OFF
LATCH 8: Target	Self-reset
LATCH 8: Events	Disabled
LATCH 9: Function	Disabled
LATCH 9: Type	Reset Dominant
LATCH 9: Set	OFF
LATCH 9: Reset	OFF
LATCH 9: Target	Self-reset
LATCH 9: Events	Disabled
LATCH 10: Function	Disabled
LATCH 10: Type	Reset Dominant
LATCH 10: Set	OFF
LATCH 10: Reset	OFF
LATCH 10: Target	Self-reset
LATCH 10: Events	Disabled
LATCH 11: Function	Disabled
LATCH 11: Type	Reset Dominant
LATCH 11: Set	OFF
LATCH 11: Reset	OFF
LATCH 11: Target	Self-reset
LATCH 11: Events	Disabled
LATCH 12: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NON-VOLATILE LATCHES (continued from last page)

LATCH 12: Type	Reset Dominant
LATCH 12: Set	OFF
LATCH 12: Reset	OFF
LATCH 12: Target	Self-reset
LATCH 12: Events	Disabled
LATCH 13: Function	Disabled
LATCH 13: Type	Reset Dominant
LATCH 13: Set	OFF
LATCH 13: Reset	OFF
LATCH 13: Target	Self-reset
LATCH 13: Events	Disabled
LATCH 14: Function	Disabled
LATCH 14: Type	Reset Dominant
LATCH 14: Set	OFF
LATCH 14: Reset	OFF
LATCH 14: Target	Self-reset
LATCH 14: Events	Disabled
LATCH 15: Function	Disabled
LATCH 15: Type	Reset Dominant
LATCH 15: Set	OFF
LATCH 15: Reset	OFF
LATCH 15: Target	Self-reset
LATCH 15: Events	Disabled
LATCH 16: Function	Disabled
LATCH 16: Type	Reset Dominant
LATCH 16: Set	OFF
LATCH 16: Reset	OFF
LATCH 16: Target	Self-reset
LATCH 16: Events	Disabled

GROUPED ELEMENTS

GROUP 1

LINE PICKUP [GROUP 1]

Function	Enabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.500 pu
UV Pickup	0.800 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	BREAKER 1 OPEN
AR Accelerate	OFF
Distance Trip	Enabled
Block	BLOCK SOTF On (VO22)
Target	Latched
Events	Enabled

DISTANCE

DISTANCE [GROUP 1]

Source	52B3 (SRC 1)
Memory Duration	7 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 1]

PHASE DISTANCE Z1: Function	Enabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Quad
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	4.21 ohms
PHASE DISTANCE Z1: RCA	90 deg
PHASE DISTANCE Z1: Rev Reach	1.91 ohms
PHASE DISTANCE Z1: Rev Reach RCA	90 deg
PHASE DISTANCE Z1: Comp Limit	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 1] (continued from last page)

PHASE DISTANCE Z1: DIR RCA	70 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	8.42 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z1: Quad Left Blinder	8.42 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z1: Target	Latched
PHASE DISTANCE Z1: Events	Enabled
PHASE DISTANCE Z2: Function	Enabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Quad
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	11.90 ohms
PHASE DISTANCE Z2: RCA	90 deg
PHASE DISTANCE Z2: Rev Reach	1.91 ohms
PHASE DISTANCE Z2: Rev Reach RCA	90 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	70 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	23.79 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z2: Quad Left Blinder	23.79 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	2.500 s
PHASE DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z2: Target	Latched
PHASE DISTANCE Z2: Events	Enabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 1] (continued from last page)

PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 1]

GROUND DISTANCE Z1: Function	Enabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Quad
GROUND DISTANCE Z1: Z0/Z1 Mag	1.00
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	4.21 ohms
GROUND DISTANCE Z1: RCA	90 deg
GROUND DISTANCE Z1: Rev Reach	1.91 ohms
GROUND DISTANCE Z1: Rev Reach RCA	90 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	70 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	8.42 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z1: Quad Left Blinder	8.42 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z1: Supervision	0.100 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z1: Target	Latched
GROUND DISTANCE Z1: Events	Enabled
GROUND DISTANCE Z2: Function	Enabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Quad
GROUND DISTANCE Z2: Z0/Z1 Mag	1.00
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	11.90 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 1] (continued from last page)

GROUND DISTANCE Z2: RCA	90 deg
GROUND DISTANCE Z2: Rev Reach	1.91 ohms
GROUND DISTANCE Z2: Rev Reach RCA	90 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	70 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	23.79 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z2: Quad Left Blinder	23.79 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z2: Supervision	0.100 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	2.500 s
GROUND DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z2: Target	Latched
GROUND DISTANCE Z2: Events	Enabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 1] (continued from last page)

GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 1]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 1]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOAD ENCROACHMENT [GROUP 1] (continued from last page)

Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 1]

PHASE TOC1: Function	Enabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	0.288 pu
PHASE TOC1: Curve	IEC Curve B
PHASE TOC1: TD Multiplier	0.50
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	PH DIR1 BLK A
PHASE TOC1: Block B	PH DIR1 BLK B
PHASE TOC1: Block C	PH DIR1 BLK C
PHASE TOC1: Target	Latched
PHASE TOC1: Events	Enabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 1]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	5.000 pu
PHASE IOC1: Delay	0.40 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Latched
PHASE IOC1: Events	Enabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 1]

PHASE DIR1: Function	Enabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.020 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Disabled
PHASE DIR1: Events	Enabled
PHASE DIR2: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DIRECTIONAL [GROUP 1] (continued from last page)

PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 1]

NEUTRAL TOC1: Function	Enabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	0.024 pu
NEUTRAL TOC1: Curve	IEC Curve C
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	NTRL DIR OC1 REV
NEUTRAL TOC1: Target	Latched
NEUTRAL TOC1: Events	Enabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 1]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	3.500 pu
NEUTRAL IOC1: Delay	0.10 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Latched
NEUTRAL IOC1: Events	Enabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 1]

NEUTRAL DIR OC1: Function	Enabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Measured IG
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	60 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Disabled
NEUTRAL DIR OC1: Events	Enabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 1] (continued from last page)

NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 310
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 1]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 1]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 1] (continued from last page)

GROUND TOC2: Events Disabled

GROUND IOC [GROUP 1]

GROUND IOC1: Function Disabled
 GROUND IOC1: Source 52B3 (SRC 1)
 GROUND IOC1: Pickup 1.000 pu
 GROUND IOC1: Delay 0.00 s
 GROUND IOC1: Reset Delay 0.00 s
 GROUND IOC1: Block OFF
 GROUND IOC1: Target Self-reset
 GROUND IOC1: Events Disabled
 GROUND IOC2: Function Disabled
 GROUND IOC2: Source 52B3 (SRC 1)
 GROUND IOC2: Pickup 1.000 pu
 GROUND IOC2: Delay 0.00 s
 GROUND IOC2: Reset Delay 0.00 s
 GROUND IOC2: Block OFF
 GROUND IOC2: Target Self-reset
 GROUND IOC2: Events Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 1]

NEGATIVE SEQ TOC1: Function Disabled
 NEGATIVE SEQ TOC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ TOC1: Pickup 1.000 pu
 NEGATIVE SEQ TOC1: Curve IEEE Mod Inv
 NEGATIVE SEQ TOC1: TD Multiplier 1.00
 NEGATIVE SEQ TOC1: Reset Instantaneous
 NEGATIVE SEQ TOC1: Block OFF
 NEGATIVE SEQ TOC1: Target Self-reset
 NEGATIVE SEQ TOC1: Events Disabled
 NEGATIVE SEQ TOC2: Function Disabled
 NEGATIVE SEQ TOC2: Source 52B3 (SRC 1)
 NEGATIVE SEQ TOC2: Pickup 1.000 pu
 NEGATIVE SEQ TOC2: Curve IEEE Mod Inv
 NEGATIVE SEQ TOC2: TD Multiplier 1.00
 NEGATIVE SEQ TOC2: Reset Instantaneous
 NEGATIVE SEQ TOC2: Block OFF
 NEGATIVE SEQ TOC2: Target Self-reset
 NEGATIVE SEQ TOC2: Events Disabled

NEGATIVE SEQUENCE IOC [GROUP 1]

NEGATIVE SEQ IOC1: Function Disabled
 NEGATIVE SEQ IOC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ IOC1: Pickup 0.150 pu
 NEGATIVE SEQ IOC1: Delay 1.50 s
 NEGATIVE SEQ IOC1: Reset Delay 0.00 s
 NEGATIVE SEQ IOC1: Block OFF
 NEGATIVE SEQ IOC1: Target Latched
 NEGATIVE SEQ IOC1: Events Enabled
 NEGATIVE SEQ IOC2: Function Disabled
 NEGATIVE SEQ IOC2: Source 52B3 (SRC 1)
 NEGATIVE SEQ IOC2: Pickup 1.000 pu
 NEGATIVE SEQ IOC2: Delay 0.00 s
 NEGATIVE SEQ IOC2: Reset Delay 0.00 s
 NEGATIVE SEQ IOC2: Block OFF
 NEGATIVE SEQ IOC2: Target Self-reset
 NEGATIVE SEQ IOC2: Events Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 1]

NEGATIVE SEQ DIR OC1: Function Disabled
 NEGATIVE SEQ DIR OC1: Source 52B3 (SRC 1)
 NEGATIVE SEQ DIR OC1: Offset 0.00 ohms
 NEGATIVE SEQ DIR OC1: Type Neg Sequence
 NEGATIVE SEQ DIR OC1: POS SEQ Restraint 0.063
 NEGATIVE SEQ DIR OC1: Forward ECA 75 ° Lag
 NEGATIVE SEQ DIR OC1: Forward Limit Angle 90 deg
 NEGATIVE SEQ DIR OC1: Forward Pickup 0.050 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 1] (continued from last page)

NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 1]

BF1: Function	Enabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	No
BF1: Use Seal-In	No
BF1: Three Pole Initiate	PART 50BF 3P On (VO4)
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.440 pu
BF1: Neutral Current Supv Pickup	0.120 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.200 s
BF1: Use Timer 2	No
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	No
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	52B3 CE On(H8c)
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.440 pu
BF1: Neutral Current HiSet Pickup	0.120 pu
BF1: Phase Current LoSet Pickup	1.440 pu
BF1: Neutral Current LoSet Pickup	0.120 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Latched
BF1: Events	Enabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 1] (continued from last page)

BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 1]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 1]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 1]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL OV [GROUP 1] (continued from last page)

NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 1]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 1]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 1]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

AUXILIARY OV [GROUP 1] (continued from last page)

AUXILIARY OV 1: Events Disabled

COMPENSATED OVERVOLTAGE [GROUP 1]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I _l max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 2

LINE PICKUP [GROUP 2]

Function	Enabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.500 pu
UV Pickup	0.800 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	BREAKER 1 OPEN
AR Accelerate	OFF
Distance Trip	Enabled
Block	BLOCK SOTF On (VO22)
Target	Latched
Events	Enabled

DISTANCE

DISTANCE [GROUP 2]

Source	52B3 (SRC 1)
Memory Duration	7 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 2]

PHASE DISTANCE Z1: Function	Enabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Quad
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	0.16 ohms
PHASE DISTANCE Z1: RCA	90 deg
PHASE DISTANCE Z1: Rev Reach	0.17 ohms
PHASE DISTANCE Z1: Rev Reach RCA	60 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	70 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	0.32 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z1: Quad Left Blinder	0.71 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z1: Target	Latched
PHASE DISTANCE Z1: Events	Enabled
PHASE DISTANCE Z2: Function	Enabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 2] (continued from last page)

PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Quad
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	0.37 ohms
PHASE DISTANCE Z2: RCA	90 deg
PHASE DISTANCE Z2: Rev Reach	0.37 ohms
PHASE DISTANCE Z2: Rev Reach RCA	90 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	70 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	0.74 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z2: Quad Left Blinder	0.74 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.400 s
PHASE DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z2: Target	Latched
PHASE DISTANCE Z2: Events	Enabled
PHASE DISTANCE Z3: Function	Enabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Quad
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	0.75 ohms
PHASE DISTANCE Z3: RCA	90 deg
PHASE DISTANCE Z3: Rev Reach	0.26 ohms
PHASE DISTANCE Z3: Rev Reach RCA	90 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	70 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	1.50 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z3: Quad Left Blinder	1.50 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.800 s
PHASE DISTANCE Z3: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z3: Target	Latched
PHASE DISTANCE Z3: Events	Enabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Enabled
PHASE DISTANCE Z5: Direction	Reverse
PHASE DISTANCE Z5: Shape	Quad

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 2] (continued from last page)

PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	0.07 ohms
PHASE DISTANCE Z5: RCA	90 deg
PHASE DISTANCE Z5: Rev Reach	0.02 ohms
PHASE DISTANCE Z5: Rev Reach RCA	90 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	73 deg
PHASE DISTANCE Z5: DIR Comp Limit	75 deg
PHASE DISTANCE Z5: Quad Right Blinder	0.13 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	87 deg
PHASE DISTANCE Z5: Quad Left Blinder	0.13 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	87 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.400 s
PHASE DISTANCE Z5: Block	SRC1 VT FUSE FAIL OP
PHASE DISTANCE Z5: Target	Latched
PHASE DISTANCE Z5: Events	Enabled

GROUND DISTANCE [GROUP 2]

GROUND DISTANCE Z1: Function	Enabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Quad
GROUND DISTANCE Z1: Z0/Z1 Mag	4.00
GROUND DISTANCE Z1: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	0.16 ohms
GROUND DISTANCE Z1: RCA	90 deg
GROUND DISTANCE Z1: Rev Reach	0.08 ohms
GROUND DISTANCE Z1: Rev Reach RCA	90 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	70 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	0.32 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z1: Quad Left Blinder	0.32 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z1: Target	Latched
GROUND DISTANCE Z1: Events	Enabled
GROUND DISTANCE Z2: Function	Enabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Quad
GROUND DISTANCE Z2: Z0/Z1 Mag	4.00
GROUND DISTANCE Z2: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	0.37 ohms
GROUND DISTANCE Z2: RCA	90 deg
GROUND DISTANCE Z2: Rev Reach	0.37 ohms
GROUND DISTANCE Z2: Rev Reach RCA	90 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	70 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	0.74 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z2: Quad Left Blinder	0.74 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z2: Supervision	0.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 2] (continued from last page)

GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.400 s
GROUND DISTANCE Z2: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z2: Target	Latched
GROUND DISTANCE Z2: Events	Enabled
GROUND DISTANCE Z3: Function	Enabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Quad
GROUND DISTANCE Z3: Z0/Z1 Mag	4.00
GROUND DISTANCE Z3: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	0.75 ohms
GROUND DISTANCE Z3: RCA	90 deg
GROUND DISTANCE Z3: Rev Reach	0.26 ohms
GROUND DISTANCE Z3: Rev Reach RCA	90 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	70 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	1.50 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z3: Quad Left Blinder	1.50 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.800 s
GROUND DISTANCE Z3: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z3: Target	Latched
GROUND DISTANCE Z3: Events	Enabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Enabled
GROUND DISTANCE Z5: Direction	Reverse
GROUND DISTANCE Z5: Shape	Quad
GROUND DISTANCE Z5: Z0/Z1 Mag	4.00
GROUND DISTANCE Z5: Z0/Z1 Ang	4 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	0.07 ohms
GROUND DISTANCE Z5: RCA	90 deg
GROUND DISTANCE Z5: Rev Reach	0.02 ohms
GROUND DISTANCE Z5: Rev Reach RCA	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 2] (continued from last page)

GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	73 deg
GROUND DISTANCE Z5: DIR Comp Limit	75 deg
GROUND DISTANCE Z5: Quad Right Blinder	0.13 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	87 deg
GROUND DISTANCE Z5: Quad Left Blinder	0.13 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	87 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.400 s
GROUND DISTANCE Z5: Block	SRC1 VT FUSE FAIL OP
GROUND DISTANCE Z5: Target	Latched
GROUND DISTANCE Z5: Events	Enabled

POWER SWING DETECT [GROUP 2]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 2]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 2]

PHASE TOC1: Function	Enabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE TOC [GROUP 2] (continued from last page)

PHASE TOC1: Curve	IEC Curve B
PHASE TOC1: TD Multiplier	0.14
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	PH DIR1 BLK A
PHASE TOC1: Block B	PH DIR1 BLK B
PHASE TOC1: Block C	PH DIR1 BLK C
PHASE TOC1: Target	Latched
PHASE TOC1: Events	Enabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 2]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	5.000 pu
PHASE IOC1: Delay	0.80 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Latched
PHASE IOC1: Events	Enabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 2]

PHASE DIR1: Function	Enabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	40 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Disabled
PHASE DIR1: Events	Enabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 2]

NEUTRAL TOC1: Function	Enabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL TOC [GROUP 2] (continued from last page)

NEUTRAL TOC1: Pickup	0.100 pu
NEUTRAL TOC1: Curve	IEC Curve C
NEUTRAL TOC1: TD Multiplier	2.45
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	NTRL DIR OC1 REV
NEUTRAL TOC1: Target	Latched
NEUTRAL TOC1: Events	Enabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 2]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	0.040 pu
NEUTRAL IOC1: Delay	0.60 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Latched
NEUTRAL IOC1: Events	Enabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 2]

NEUTRAL DIR OC1: Function	Enabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Measured IG
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	60 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Disabled
NEUTRAL DIR OC1: Events	Enabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 2]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 2]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 2]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND IOC [GROUP 2] (continued from last page)

GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 2]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 2]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	0.150 pu
NEGATIVE SEQ IOC1: Delay	1.50 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Latched
NEGATIVE SEQ IOC1: Events	Enabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 2]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 2] (continued from last page)

NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 2]

BF1: Function	Enabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	No
BF1: Use Seal-In	No
BF1: Three Pole Initiate	PART 50BF 3P On (VO4)
BF1: Block	OFF
BF1: Phase Current Supv Pickup	6.000 pu
BF1: Neutral Current Supv Pickup	0.500 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.200 s
BF1: Use Timer 2	No
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	No
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	52B3 CE On(H8c)
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	6.000 pu
BF1: Neutral Current HiSet Pickup	0.500 pu
BF1: Phase Current LoSet Pickup	6.000 pu
BF1: Neutral Current LoSet Pickup	0.500 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Latched
BF1: Events	Enabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 2] (continued from last page)

BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 2]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 2]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 2]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL OV [GROUP 2] (continued from last page)

NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 2]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 2]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 2]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 2]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

COMPENSATED OVERVOLTAGE [GROUP 2] (continued from last page)

Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 3

LINE PICKUP [GROUP 3]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 3]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 3]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 3] (continued from last page)

PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 3] (continued from last page)

PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 3]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 3] (continued from last page)

GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 3] (continued from last page)

GROUND DISTANCE Z5: Events Disabled

POWER SWING DETECT [GROUP 3]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 3]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 3]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE TOC [GROUP 3] (continued from last page)

PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 3]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 3]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 3]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL TOC [GROUP 3] (continued from last page)

NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 3]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 3]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 3]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 3] (continued from last page)

WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 3]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 3]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 3]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE TOC [GROUP 3] (continued from last page)

NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 3]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 3]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 3]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 3] (continued from last page)

BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 3]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE UV [GROUP 3] (continued from last page)

PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 3]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 3]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 3]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE OV [GROUP 3] (continued from last page)

NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 3]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 3]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 3]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 4

LINE PICKUP [GROUP 4]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LINE PICKUP [GROUP 4] (continued from last page)

Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 4]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 4]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 4] (continued from last page)

PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 4]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 4] (continued from last page)

GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 4] (continued from last page)

GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 4]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

POWER SWING DETECT [GROUP 4] (continued from last page)

Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Middle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 4]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 4]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 4]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE IOC [GROUP 4] (continued from last page)

PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 4]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 4]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 4]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL IOC [GROUP 4] (continued from last page)

NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 4]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 4]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

WATTMETRIC GROUND FAULT [GROUP 4] (continued from last page)

WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 4]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 4]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 4]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE IOC [GROUP 4]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 4]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 4]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 4] (continued from last page)

BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 4]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE UV [GROUP 4] (continued from last page)

PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 4]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 4]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 4]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE OV [GROUP 4] (continued from last page)

NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 4]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 4]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 4]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 5

LINE PICKUP [GROUP 5]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 5]

Source	52B3 (SRC 1)
Memory Duration	10 cycles

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DISTANCE [GROUP 5] (continued from last page)

Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 5]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg
PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 5] (continued from last page)

PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg
PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 5]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 5] (continued from last page)

GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 5] (continued from last page)

GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s
GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 5]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

POWER SWING DETECT [GROUP 5] (continued from last page)

Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 5]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu
Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 5]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 5]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE IOC [GROUP 5] (continued from last page)

PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 5]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled
PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 5]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 5]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 5]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 5] (continued from last page)

NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)
NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 5]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 5]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 5] (continued from last page)

GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF
GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 5]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 5]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 5]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE IOC [GROUP 5] (continued from last page)

NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 5]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 5]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 5] (continued from last page)

BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes
BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 5]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 5]

PHASE OV1: Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

PHASE OV [GROUP 5] (continued from last page)

PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 5]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time
NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 5]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 5]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

AUXILIARY UV [GROUP 5] (continued from last page)

AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 5]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF
AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 5]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I _{lmax}	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

GROUP 6

LINE PICKUP [GROUP 6]

Function	Disabled
Signal Source	52B3 (SRC 1)
Phase IOC Line Pickup	1.000 pu
UV Pickup	0.700 pu
Line End Open Pickup Delay	0.150 s
Line End Open Reset Delay	0.090 s
OV Pickup Delay	0.040 s
Autoreclose Coordination Bypass	Enabled
Autoreclose Coordination Pickup Delay	0.045 s
Autoreclose Coordination Reset Delay	0.005 s
Terminal Open	OFF
AR Accelerate	OFF
Distance Trip	Enabled
Block	OFF
Target	Self-reset
Events	Disabled

DISTANCE

DISTANCE [GROUP 6]

Source	52B3 (SRC 1)
Memory Duration	10 cycles
Force Self-Polar	OFF
Force Mem-Polar	OFF

PHASE DISTANCE [GROUP 6]

PHASE DISTANCE Z1: Function	Disabled
PHASE DISTANCE Z1: Direction	Forward
PHASE DISTANCE Z1: Shape	Mho
PHASE DISTANCE Z1: Xfmr Vol Connection	None
PHASE DISTANCE Z1: Xfmr Curr Connection	None
PHASE DISTANCE Z1: Reach	2.00 ohms
PHASE DISTANCE Z1: RCA	85 deg
PHASE DISTANCE Z1: Rev Reach	2.00 ohms
PHASE DISTANCE Z1: Rev Reach RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 6] (continued from last page)

PHASE DISTANCE Z1: Comp Limit	90 deg
PHASE DISTANCE Z1: DIR RCA	85 deg
PHASE DISTANCE Z1: DIR Comp Limit	90 deg
PHASE DISTANCE Z1: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z1: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z1: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z1: Supervision	0.200 pu
PHASE DISTANCE Z1: Volt Level	0.000 pu
PHASE DISTANCE Z1: Delay	0.000 s
PHASE DISTANCE Z1: Block	OFF
PHASE DISTANCE Z1: Target	Self-reset
PHASE DISTANCE Z1: Events	Disabled
PHASE DISTANCE Z2: Function	Disabled
PHASE DISTANCE Z2: Direction	Forward
PHASE DISTANCE Z2: Shape	Mho
PHASE DISTANCE Z2: Xfmr Vol Connection	None
PHASE DISTANCE Z2: Xfmr Curr Connection	None
PHASE DISTANCE Z2: Reach	2.00 ohms
PHASE DISTANCE Z2: RCA	85 deg
PHASE DISTANCE Z2: Rev Reach	2.00 ohms
PHASE DISTANCE Z2: Rev Reach RCA	85 deg
PHASE DISTANCE Z2: Comp Limit	90 deg
PHASE DISTANCE Z2: DIR RCA	85 deg
PHASE DISTANCE Z2: DIR Comp Limit	90 deg
PHASE DISTANCE Z2: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z2: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z2: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z2: Supervision	0.200 pu
PHASE DISTANCE Z2: Volt Level	0.000 pu
PHASE DISTANCE Z2: Delay	0.000 s
PHASE DISTANCE Z2: Block	OFF
PHASE DISTANCE Z2: Target	Self-reset
PHASE DISTANCE Z2: Events	Disabled
PHASE DISTANCE Z3: Function	Disabled
PHASE DISTANCE Z3: Direction	Forward
PHASE DISTANCE Z3: Shape	Mho
PHASE DISTANCE Z3: Xfmr Vol Connection	None
PHASE DISTANCE Z3: Xfmr Curr Connection	None
PHASE DISTANCE Z3: Reach	2.00 ohms
PHASE DISTANCE Z3: RCA	85 deg
PHASE DISTANCE Z3: Rev Reach	2.00 ohms
PHASE DISTANCE Z3: Rev Reach RCA	85 deg
PHASE DISTANCE Z3: Comp Limit	90 deg
PHASE DISTANCE Z3: DIR RCA	85 deg
PHASE DISTANCE Z3: DIR Comp Limit	90 deg
PHASE DISTANCE Z3: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z3: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z3: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z3: Supervision	0.200 pu
PHASE DISTANCE Z3: Volt Level	0.000 pu
PHASE DISTANCE Z3: Delay	0.000 s
PHASE DISTANCE Z3: Block	OFF
PHASE DISTANCE Z3: Target	Self-reset
PHASE DISTANCE Z3: Events	Disabled
PHASE DISTANCE Z4: Function	Disabled
PHASE DISTANCE Z4: Direction	Forward
PHASE DISTANCE Z4: Shape	Mho
PHASE DISTANCE Z4: Xfmr Vol Connection	None
PHASE DISTANCE Z4: Xfmr Curr Connection	None
PHASE DISTANCE Z4: Reach	2.00 ohms
PHASE DISTANCE Z4: RCA	85 deg
PHASE DISTANCE Z4: Rev Reach	2.00 ohms
PHASE DISTANCE Z4: Rev Reach RCA	85 deg
PHASE DISTANCE Z4: Comp Limit	90 deg
PHASE DISTANCE Z4: DIR RCA	85 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DISTANCE [GROUP 6] (continued from last page)

PHASE DISTANCE Z4: DIR Comp Limit	90 deg
PHASE DISTANCE Z4: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z4: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z4: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z4: Supervision	0.200 pu
PHASE DISTANCE Z4: Volt Level	0.000 pu
PHASE DISTANCE Z4: Delay	0.000 s
PHASE DISTANCE Z4: Block	OFF
PHASE DISTANCE Z4: Target	Self-reset
PHASE DISTANCE Z4: Events	Disabled
PHASE DISTANCE Z5: Function	Disabled
PHASE DISTANCE Z5: Direction	Forward
PHASE DISTANCE Z5: Shape	Mho
PHASE DISTANCE Z5: Xfmr Vol Connection	None
PHASE DISTANCE Z5: Xfmr Curr Connection	None
PHASE DISTANCE Z5: Reach	2.00 ohms
PHASE DISTANCE Z5: RCA	85 deg
PHASE DISTANCE Z5: Rev Reach	2.00 ohms
PHASE DISTANCE Z5: Rev Reach RCA	85 deg
PHASE DISTANCE Z5: Comp Limit	90 deg
PHASE DISTANCE Z5: DIR RCA	85 deg
PHASE DISTANCE Z5: DIR Comp Limit	90 deg
PHASE DISTANCE Z5: Quad Right Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Right Blinder RCA	85 deg
PHASE DISTANCE Z5: Quad Left Blinder	10.00 ohms
PHASE DISTANCE Z5: Quad Left Blinder RCA	85 deg
PHASE DISTANCE Z5: Supervision	0.200 pu
PHASE DISTANCE Z5: Volt Level	0.000 pu
PHASE DISTANCE Z5: Delay	0.000 s
PHASE DISTANCE Z5: Block	OFF
PHASE DISTANCE Z5: Target	Self-reset
PHASE DISTANCE Z5: Events	Disabled

GROUND DISTANCE [GROUP 6]

GROUND DISTANCE Z1: Function	Disabled
GROUND DISTANCE Z1: Direction	Forward
GROUND DISTANCE Z1: Shape	Mho
GROUND DISTANCE Z1: Z0/Z1 Mag	2.70
GROUND DISTANCE Z1: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z1: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z1: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z1: Reach	2.00 ohms
GROUND DISTANCE Z1: RCA	85 deg
GROUND DISTANCE Z1: Rev Reach	2.00 ohms
GROUND DISTANCE Z1: Rev Reach RCA	85 deg
GROUND DISTANCE Z1: POL Current	Zero-seq
GROUND DISTANCE Z1: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z1: Comp Limit	90 deg
GROUND DISTANCE Z1: DIR RCA	85 deg
GROUND DISTANCE Z1: DIR Comp Limit	90 deg
GROUND DISTANCE Z1: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z1: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z1: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z1: Supervision	0.200 pu
GROUND DISTANCE Z1: Volt Level	0.000 pu
GROUND DISTANCE Z1: Delay	0.000 s
GROUND DISTANCE Z1: Block	OFF
GROUND DISTANCE Z1: Target	Self-reset
GROUND DISTANCE Z1: Events	Disabled
GROUND DISTANCE Z2: Function	Disabled
GROUND DISTANCE Z2: Direction	Forward
GROUND DISTANCE Z2: Shape	Mho
GROUND DISTANCE Z2: Z0/Z1 Mag	2.70
GROUND DISTANCE Z2: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z2: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z2: Z0M/Z1 Ang	0 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 6] (continued from last page)

GROUND DISTANCE Z2: Reach	2.00 ohms
GROUND DISTANCE Z2: RCA	85 deg
GROUND DISTANCE Z2: Rev Reach	2.00 ohms
GROUND DISTANCE Z2: Rev Reach RCA	85 deg
GROUND DISTANCE Z2: POL Current	Zero-seq
GROUND DISTANCE Z2: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z2: Comp Limit	90 deg
GROUND DISTANCE Z2: DIR RCA	85 deg
GROUND DISTANCE Z2: DIR Comp Limit	90 deg
GROUND DISTANCE Z2: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z2: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z2: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z2: Supervision	0.200 pu
GROUND DISTANCE Z2: Volt Level	0.000 pu
GROUND DISTANCE Z2: Delay	0.000 s
GROUND DISTANCE Z2: Block	OFF
GROUND DISTANCE Z2: Target	Self-reset
GROUND DISTANCE Z2: Events	Disabled
GROUND DISTANCE Z3: Function	Disabled
GROUND DISTANCE Z3: Direction	Forward
GROUND DISTANCE Z3: Shape	Mho
GROUND DISTANCE Z3: Z0/Z1 Mag	2.70
GROUND DISTANCE Z3: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z3: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z3: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z3: Reach	2.00 ohms
GROUND DISTANCE Z3: RCA	85 deg
GROUND DISTANCE Z3: Rev Reach	2.00 ohms
GROUND DISTANCE Z3: Rev Reach RCA	85 deg
GROUND DISTANCE Z3: POL Current	Zero-seq
GROUND DISTANCE Z3: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z3: Comp Limit	90 deg
GROUND DISTANCE Z3: DIR RCA	85 deg
GROUND DISTANCE Z3: DIR Comp Limit	90 deg
GROUND DISTANCE Z3: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z3: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z3: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z3: Supervision	0.200 pu
GROUND DISTANCE Z3: Volt Level	0.000 pu
GROUND DISTANCE Z3: Delay	0.000 s
GROUND DISTANCE Z3: Block	OFF
GROUND DISTANCE Z3: Target	Self-reset
GROUND DISTANCE Z3: Events	Disabled
GROUND DISTANCE Z4: Function	Disabled
GROUND DISTANCE Z4: Direction	Forward
GROUND DISTANCE Z4: Shape	Mho
GROUND DISTANCE Z4: Z0/Z1 Mag	2.70
GROUND DISTANCE Z4: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z4: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z4: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z4: Reach	2.00 ohms
GROUND DISTANCE Z4: RCA	85 deg
GROUND DISTANCE Z4: Rev Reach	2.00 ohms
GROUND DISTANCE Z4: Rev Reach RCA	85 deg
GROUND DISTANCE Z4: POL Current	Zero-seq
GROUND DISTANCE Z4: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z4: Comp Limit	90 deg
GROUND DISTANCE Z4: DIR RCA	85 deg
GROUND DISTANCE Z4: DIR Comp Limit	90 deg
GROUND DISTANCE Z4: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z4: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z4: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z4: Supervision	0.200 pu
GROUND DISTANCE Z4: Volt Level	0.000 pu
GROUND DISTANCE Z4: Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GROUND DISTANCE [GROUP 6] (continued from last page)

GROUND DISTANCE Z4: Block	OFF
GROUND DISTANCE Z4: Target	Self-reset
GROUND DISTANCE Z4: Events	Disabled
GROUND DISTANCE Z5: Function	Disabled
GROUND DISTANCE Z5: Direction	Forward
GROUND DISTANCE Z5: Shape	Mho
GROUND DISTANCE Z5: Z0/Z1 Mag	2.70
GROUND DISTANCE Z5: Z0/Z1 Ang	0 deg
GROUND DISTANCE Z5: Z0M/Z1 Mag	0.00
GROUND DISTANCE Z5: Z0M/Z1 Ang	0 deg
GROUND DISTANCE Z5: Reach	2.00 ohms
GROUND DISTANCE Z5: RCA	85 deg
GROUND DISTANCE Z5: Rev Reach	2.00 ohms
GROUND DISTANCE Z5: Rev Reach RCA	85 deg
GROUND DISTANCE Z5: POL Current	Zero-seq
GROUND DISTANCE Z5: Non-Homogen Ang	0.0 deg
GROUND DISTANCE Z5: Comp Limit	90 deg
GROUND DISTANCE Z5: DIR RCA	85 deg
GROUND DISTANCE Z5: DIR Comp Limit	90 deg
GROUND DISTANCE Z5: Quad Right Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Right Blinder RCA	85 deg
GROUND DISTANCE Z5: Quad Left Blinder	10.00 ohms
GROUND DISTANCE Z5: Quad Left Blinder RCA	85 deg
GROUND DISTANCE Z5: Supervision	0.200 pu
GROUND DISTANCE Z5: Volt Level	0.000 pu
GROUND DISTANCE Z5: Delay	0.000 s
GROUND DISTANCE Z5: Block	OFF
GROUND DISTANCE Z5: Target	Self-reset
GROUND DISTANCE Z5: Events	Disabled

POWER SWING DETECT [GROUP 6]

Function	Disabled
Source	52B3 (SRC 1)
Shape	Mho Shape
Mode	Two Step
Supv	0.600 pu
Fwd Reach	50.00 ohms
Quad Fwd Mid	60.00 ohms
Quad Fwd Out	70.00 ohms
Fwd Rca	75 deg
Rev Reach	50.00 ohms
Quad Rev Mid	60.00 ohms
Quad Rev Out	70.00 ohms
Rev Rca	75 deg
Outer Limit Angle	120 deg
Middle Limit Angle	90 deg
Inner Limit Angle	60 deg
Outer Rgt Bld	100.00 ohms
Outer Lft Bld	100.00 ohms
Midle Rgt Bld	100.00 ohms
Midle Lft Bld	100.00 ohms
Inner Rgt Bld	100.00 ohms
Inner Lft Bld	100.00 ohms
Delay 1 Pickup	0.030 s
Delay 1 Reset	0.050 s
Delay 2 Pickup	0.017 s
Delay 3 Pickup	0.009 s
Delay 4 Pickup	0.017 s
Seal-In Delay	0.400 s
Trip Mode	Delayed
Block	OFF
Target	Self-reset
Event	Disabled

LOAD ENCROACHMENT [GROUP 6]

Function	Disabled
Source	52B3 (SRC 1)
Min Volt	0.250 pu

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

LOAD ENCROACHMENT [GROUP 6] (continued from last page)

Reach	1.00 ohms
Angle	30 deg
Pickup Delay	0.000 s
Reset Delay	0.000 s
Block	OFF
Target	Self-reset
Events	Disabled

PHASE CURRENT

PHASE TOC [GROUP 6]

PHASE TOC1: Function	Disabled
PHASE TOC1: Signal Source	52B3 (SRC 1)
PHASE TOC1: Input	Phasor
PHASE TOC1: Pickup	1.000 pu
PHASE TOC1: Curve	IEEE Mod Inv
PHASE TOC1: TD Multiplier	1.00
PHASE TOC1: Reset	Instantaneous
PHASE TOC1: Voltage Restraint	Disabled
PHASE TOC1: Block A	OFF
PHASE TOC1: Block B	OFF
PHASE TOC1: Block C	OFF
PHASE TOC1: Target	Self-reset
PHASE TOC1: Events	Disabled
PHASE TOC2: Function	Disabled
PHASE TOC2: Signal Source	52B3 (SRC 1)
PHASE TOC2: Input	Phasor
PHASE TOC2: Pickup	1.000 pu
PHASE TOC2: Curve	IEEE Mod Inv
PHASE TOC2: TD Multiplier	1.00
PHASE TOC2: Reset	Instantaneous
PHASE TOC2: Voltage Restraint	Disabled
PHASE TOC2: Block A	OFF
PHASE TOC2: Block B	OFF
PHASE TOC2: Block C	OFF
PHASE TOC2: Target	Self-reset
PHASE TOC2: Events	Disabled

PHASE IOC [GROUP 6]

PHASE IOC1: Function	Disabled
PHASE IOC1: Source	52B3 (SRC 1)
PHASE IOC1: Pickup	1.000 pu
PHASE IOC1: Delay	0.00 s
PHASE IOC1: Reset Delay	0.00 s
PHASE IOC1: Block A	OFF
PHASE IOC1: Block B	OFF
PHASE IOC1: Block C	OFF
PHASE IOC1: Target	Self-reset
PHASE IOC1: Events	Disabled
PHASE IOC2: Function	Disabled
PHASE IOC2: Source	52B3 (SRC 1)
PHASE IOC2: Pickup	1.000 pu
PHASE IOC2: Delay	0.00 s
PHASE IOC2: Reset Delay	0.00 s
PHASE IOC2: Block A	OFF
PHASE IOC2: Block B	OFF
PHASE IOC2: Block C	OFF
PHASE IOC2: Target	Self-reset
PHASE IOC2: Events	Disabled

PHASE DIRECTIONAL [GROUP 6]

PHASE DIR1: Function	Disabled
PHASE DIR1: Source	52B3 (SRC 1)
PHASE DIR1: Block	OFF
PHASE DIR1: ECA	30 deg
PHASE DIR1: Pol V Threshold	0.700 pu
PHASE DIR1: Block when V Mem Exp	No
PHASE DIR1: Target	Self-reset
PHASE DIR1: Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE DIRECTIONAL [GROUP 6] (continued from last page)

PHASE DIR2: Function	Disabled
PHASE DIR2: Source	52B3 (SRC 1)
PHASE DIR2: Block	OFF
PHASE DIR2: ECA	30 deg
PHASE DIR2: Pol V Threshold	0.700 pu
PHASE DIR2: Block when V Mem Exp	No
PHASE DIR2: Target	Self-reset
PHASE DIR2: Events	Disabled

NEUTRAL CURRENT

NEUTRAL TOC [GROUP 6]

NEUTRAL TOC1: Function	Disabled
NEUTRAL TOC1: Source	52B3 (SRC 1)
NEUTRAL TOC1: Input	Phasor
NEUTRAL TOC1: Pickup	1.000 pu
NEUTRAL TOC1: Curve	IEEE Mod Inv
NEUTRAL TOC1: TD Multiplier	1.00
NEUTRAL TOC1: Reset	Instantaneous
NEUTRAL TOC1: Block	OFF
NEUTRAL TOC1: Target	Self-reset
NEUTRAL TOC1: Events	Disabled
NEUTRAL TOC2: Function	Disabled
NEUTRAL TOC2: Source	52B3 (SRC 1)
NEUTRAL TOC2: Input	Phasor
NEUTRAL TOC2: Pickup	1.000 pu
NEUTRAL TOC2: Curve	IEEE Mod Inv
NEUTRAL TOC2: TD Multiplier	1.00
NEUTRAL TOC2: Reset	Instantaneous
NEUTRAL TOC2: Block	OFF
NEUTRAL TOC2: Target	Self-reset
NEUTRAL TOC2: Events	Disabled

NEUTRAL IOC [GROUP 6]

NEUTRAL IOC1: Function	Disabled
NEUTRAL IOC1: Source	52B3 (SRC 1)
NEUTRAL IOC1: Pickup	1.000 pu
NEUTRAL IOC1: Delay	0.00 s
NEUTRAL IOC1: Reset Delay	0.00 s
NEUTRAL IOC1: Block	OFF
NEUTRAL IOC1: Target	Self-reset
NEUTRAL IOC1: Events	Disabled
NEUTRAL IOC2: Function	Disabled
NEUTRAL IOC2: Source	52B3 (SRC 1)
NEUTRAL IOC2: Pickup	1.000 pu
NEUTRAL IOC2: Delay	0.00 s
NEUTRAL IOC2: Reset Delay	0.00 s
NEUTRAL IOC2: Block	OFF
NEUTRAL IOC2: Target	Self-reset
NEUTRAL IOC2: Events	Disabled

NEUTRAL DIRECTIONAL OC [GROUP 6]

NEUTRAL DIR OC1: Function	Disabled
NEUTRAL DIR OC1: Source	52B3 (SRC 1)
NEUTRAL DIR OC1: Polarizing	Voltage
NEUTRAL DIR OC1: Polarizing Volt	Calculated V0
NEUTRAL DIR OC1: Op Current	Calculated 3I0
NEUTRAL DIR OC1: POS SEQ Restraint	0.063
NEUTRAL DIR OC1: Offset	0.00 ohms
NEUTRAL DIR OC1: Forward ECA	75 ° Lag
NEUTRAL DIR OC1: Forward Limit Angle	90 deg
NEUTRAL DIR OC1: Forward Pickup	0.050 pu
NEUTRAL DIR OC1: Reverse Limit Angle	90 deg
NEUTRAL DIR OC1: Reverse Pickup	0.050 pu
NEUTRAL DIR OC1: Block	OFF
NEUTRAL DIR OC1: Target	Self-reset
NEUTRAL DIR OC1: Events	Disabled
NEUTRAL DIR OC2: Function	Disabled
NEUTRAL DIR OC2: Source	52B3 (SRC 1)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL DIRECTIONAL OC [GROUP 6] (continued from last page)

NEUTRAL DIR OC2: Polarizing	Voltage
NEUTRAL DIR OC2: Polarizing Volt	Calculated V0
NEUTRAL DIR OC2: Op Current	Calculated 3I0
NEUTRAL DIR OC2: POS SEQ Restraint	0.063
NEUTRAL DIR OC2: Offset	0.00 ohms
NEUTRAL DIR OC2: Forward ECA	75 ° Lag
NEUTRAL DIR OC2: Forward Limit Angle	90 deg
NEUTRAL DIR OC2: Forward Pickup	0.050 pu
NEUTRAL DIR OC2: Reverse Limit Angle	90 deg
NEUTRAL DIR OC2: Reverse Pickup	0.050 pu
NEUTRAL DIR OC2: Block	OFF
NEUTRAL DIR OC2: Target	Self-reset
NEUTRAL DIR OC2: Events	Disabled

WATTMETRIC GROUND FAULT [GROUP 6]

WATTMETRIC GND FLT 1: Function	Disabled
WATTMETRIC GND FLT 1: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 1: Voltage	Calculated VN
WATTMETRIC GND FLT 1: OV Pickup	0.20 pu
WATTMETRIC GND FLT 1: Current	Calculated IN
WATTMETRIC GND FLT 1: OC Pickup	0.060 pu
WATTMETRIC GND FLT 1: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Power Pickup	0.100 pu
WATTMETRIC GND FLT 1: Ref Power	0.500 pu
WATTMETRIC GND FLT 1: ECA	0 ° Lag
WATTMETRIC GND FLT 1: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 1: Curve	Definite Time
WATTMETRIC GND FLT 1: Multiplier	1.00 s
WATTMETRIC GND FLT 1: Block	OFF
WATTMETRIC GND FLT 1: Target	Self-reset
WATTMETRIC GND FLT 1: Events	Disabled
WATTMETRIC GND FLT 2: Function	Disabled
WATTMETRIC GND FLT 2: Source	52B3 (SRC 1)
WATTMETRIC GND FLT 2: Voltage	Calculated VN
WATTMETRIC GND FLT 2: OV Pickup	0.20 pu
WATTMETRIC GND FLT 2: Current	Calculated IN
WATTMETRIC GND FLT 2: OC Pickup	0.060 pu
WATTMETRIC GND FLT 2: OC Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Power Pickup	0.100 pu
WATTMETRIC GND FLT 2: Ref Power	0.500 pu
WATTMETRIC GND FLT 2: ECA	0 ° Lag
WATTMETRIC GND FLT 2: Power Pickup Delay	0.20 s
WATTMETRIC GND FLT 2: Curve	Definite Time
WATTMETRIC GND FLT 2: Multiplier	1.00 s
WATTMETRIC GND FLT 2: Block	OFF
WATTMETRIC GND FLT 2: Target	Self-reset
WATTMETRIC GND FLT 2: Events	Disabled

GROUND CURRENT

GROUND TOC [GROUP 6]

GROUND TOC1: Function	Disabled
GROUND TOC1: Source	52B3 (SRC 1)
GROUND TOC1: Input	Phasor
GROUND TOC1: Pickup	1.000 pu
GROUND TOC1: Curve	IEEE Mod Inv
GROUND TOC1: TD Multiplier	1.00
GROUND TOC1: Reset	Instantaneous
GROUND TOC1: Block	OFF
GROUND TOC1: Target	Self-reset
GROUND TOC1: Events	Disabled
GROUND TOC2: Function	Disabled
GROUND TOC2: Source	52B3 (SRC 1)
GROUND TOC2: Input	Phasor
GROUND TOC2: Pickup	1.000 pu
GROUND TOC2: Curve	IEEE Mod Inv
GROUND TOC2: TD Multiplier	1.00
GROUND TOC2: Reset	Instantaneous
GROUND TOC2: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

GROUND TOC [GROUP 6] (continued from last page)

GROUND TOC2: Target	Self-reset
GROUND TOC2: Events	Disabled

GROUND IOC [GROUP 6]

GROUND IOC1: Function	Disabled
GROUND IOC1: Source	52B3 (SRC 1)
GROUND IOC1: Pickup	1.000 pu
GROUND IOC1: Delay	0.00 s
GROUND IOC1: Reset Delay	0.00 s
GROUND IOC1: Block	OFF
GROUND IOC1: Target	Self-reset
GROUND IOC1: Events	Disabled
GROUND IOC2: Function	Disabled
GROUND IOC2: Source	52B3 (SRC 1)
GROUND IOC2: Pickup	1.000 pu
GROUND IOC2: Delay	0.00 s
GROUND IOC2: Reset Delay	0.00 s
GROUND IOC2: Block	OFF
GROUND IOC2: Target	Self-reset
GROUND IOC2: Events	Disabled

NEGATIVE SEQUENCE CURRENT

NEGATIVE SEQUENCE TOC [GROUP 6]

NEGATIVE SEQ TOC1: Function	Disabled
NEGATIVE SEQ TOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC1: Pickup	1.000 pu
NEGATIVE SEQ TOC1: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC1: TD Multiplier	1.00
NEGATIVE SEQ TOC1: Reset	Instantaneous
NEGATIVE SEQ TOC1: Block	OFF
NEGATIVE SEQ TOC1: Target	Self-reset
NEGATIVE SEQ TOC1: Events	Disabled
NEGATIVE SEQ TOC2: Function	Disabled
NEGATIVE SEQ TOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ TOC2: Pickup	1.000 pu
NEGATIVE SEQ TOC2: Curve	IEEE Mod Inv
NEGATIVE SEQ TOC2: TD Multiplier	1.00
NEGATIVE SEQ TOC2: Reset	Instantaneous
NEGATIVE SEQ TOC2: Block	OFF
NEGATIVE SEQ TOC2: Target	Self-reset
NEGATIVE SEQ TOC2: Events	Disabled

NEGATIVE SEQUENCE IOC [GROUP 6]

NEGATIVE SEQ IOC1: Function	Disabled
NEGATIVE SEQ IOC1: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC1: Pickup	1.000 pu
NEGATIVE SEQ IOC1: Delay	0.00 s
NEGATIVE SEQ IOC1: Reset Delay	0.00 s
NEGATIVE SEQ IOC1: Block	OFF
NEGATIVE SEQ IOC1: Target	Self-reset
NEGATIVE SEQ IOC1: Events	Disabled
NEGATIVE SEQ IOC2: Function	Disabled
NEGATIVE SEQ IOC2: Source	52B3 (SRC 1)
NEGATIVE SEQ IOC2: Pickup	1.000 pu
NEGATIVE SEQ IOC2: Delay	0.00 s
NEGATIVE SEQ IOC2: Reset Delay	0.00 s
NEGATIVE SEQ IOC2: Block	OFF
NEGATIVE SEQ IOC2: Target	Self-reset
NEGATIVE SEQ IOC2: Events	Disabled

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 6]

NEGATIVE SEQ DIR OC1: Function	Disabled
NEGATIVE SEQ DIR OC1: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC1: Offset	0.00 ohms
NEGATIVE SEQ DIR OC1: Type	Neg Sequence
NEGATIVE SEQ DIR OC1: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC1: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC1: Forward Limit Angle	90 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEGATIVE SEQUENCE DIRECTIONAL OC [GROUP 6] (continued from last page)

NEGATIVE SEQ DIR OC1: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC1: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC1: Block	OFF
NEGATIVE SEQ DIR OC1: Target	Self-reset
NEGATIVE SEQ DIR OC1: Events	Disabled
NEGATIVE SEQ DIR OC2: Function	Disabled
NEGATIVE SEQ DIR OC2: Source	52B3 (SRC 1)
NEGATIVE SEQ DIR OC2: Offset	0.00 ohms
NEGATIVE SEQ DIR OC2: Type	Neg Sequence
NEGATIVE SEQ DIR OC2: POS SEQ Restraint	0.063
NEGATIVE SEQ DIR OC2: Forward ECA	75 ° Lag
NEGATIVE SEQ DIR OC2: Forward Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Forward Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Reverse Limit Angle	90 deg
NEGATIVE SEQ DIR OC2: Reverse Pickup	0.050 pu
NEGATIVE SEQ DIR OC2: Block	OFF
NEGATIVE SEQ DIR OC2: Target	Self-reset
NEGATIVE SEQ DIR OC2: Events	Disabled

BREAKER FAILURE [GROUP 6]

BF1: Function	Disabled
BF1: Mode	3-Pole
BF1: Source	52B3 (SRC 1)
BF1: Current Supervision	Yes
BF1: Use Seal-In	Yes
BF1: Three Pole Initiate	OFF
BF1: Block	OFF
BF1: Phase Current Supv Pickup	1.050 pu
BF1: Neutral Current Supv Pickup	1.050 pu
BF1: Use Timer 1	Yes
BF1: Timer 1 Pickup Delay	0.000 s
BF1: Use Timer 2	Yes
BF1: Timer 2 Pickup Delay	0.000 s
BF1: Use Timer 3	Yes
BF1: Timer 3 Pickup Delay	0.000 s
BF1: Breaker Pos1 Phase A/3P	OFF
BF1: Breaker Pos2 Phase A/3P	OFF
BF1: Breaker Test On	OFF
BF1: Phase Current HiSet Pickup	1.050 pu
BF1: Neutral Current HiSet Pickup	1.050 pu
BF1: Phase Current LoSet Pickup	1.050 pu
BF1: Neutral Current LoSet Pickup	1.050 pu
BF1: LoSet Time Delay	0.000 s
BF1: Trip Dropout Delay	0.000 s
BF1: Target	Self-reset
BF1: Events	Disabled
BF1: Phase A Initiate	OFF
BF1: Phase B Initiate	OFF
BF1: Phase C Initiate	OFF
BF1: Breaker Pos1 Phase B	OFF
BF1: Breaker Pos1 Phase C	OFF
BF1: Breaker Pos2 Phase B	OFF
BF1: Breaker Pos2 Phase C	OFF
BF2: Function	Disabled
BF2: Mode	3-Pole
BF2: Source	52B3 (SRC 1)
BF2: Current Supervision	Yes
BF2: Use Seal-In	Yes
BF2: Three Pole Initiate	OFF
BF2: Block	OFF
BF2: Phase Current Supv Pickup	1.050 pu
BF2: Neutral Current Supv Pickup	1.050 pu
BF2: Use Timer 1	Yes
BF2: Timer 1 Pickup Delay	0.000 s
BF2: Use Timer 2	Yes
BF2: Timer 2 Pickup Delay	0.000 s
BF2: Use Timer 3	Yes

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER FAILURE [GROUP 6] (continued from last page)

BF2: Timer 3 Pickup Delay	0.000 s
BF2: Breaker Pos1 Phase A/3P	OFF
BF2: Breaker Pos2 Phase A/3P	OFF
BF2: Breaker Test On	OFF
BF2: Phase Current HiSet Pickup	1.050 pu
BF2: Neutral Current HiSet Pickup	1.050 pu
BF2: Phase Current LoSet Pickup	1.050 pu
BF2: Neutral Current LoSet Pickup	1.050 pu
BF2: LoSet Time Delay	0.000 s
BF2: Trip Dropout Delay	0.000 s
BF2: Target	Self-reset
BF2: Events	Disabled
BF2: Phase A Initiate	OFF
BF2: Phase B Initiate	OFF
BF2: Phase C Initiate	OFF
BF2: Breaker Pos1 Phase B	OFF
BF2: Breaker Pos1 Phase C	OFF
BF2: Breaker Pos2 Phase B	OFF
BF2: Breaker Pos2 Phase C	OFF

VOLTAGE ELEMENTS

PHASE UV [GROUP 6]

PHASE UV1: Function	Disabled
PHASE UV1: Signal Source	52B3 (SRC 1)
PHASE UV1: Mode	Phase to Ground
PHASE UV1: Pickup	1.000 pu
PHASE UV1: Curve	Definite Time
PHASE UV1: Delay	1.00 s
PHASE UV1: Minimum Voltage	0.100 pu
PHASE UV1: Block	OFF
PHASE UV1: Target	Self-reset
PHASE UV1: Events	Disabled
PHASE UV2: Function	Disabled
PHASE UV2: Signal Source	52B3 (SRC 1)
PHASE UV2: Mode	Phase to Ground
PHASE UV2: Pickup	1.000 pu
PHASE UV2: Curve	Definite Time
PHASE UV2: Delay	1.00 s
PHASE UV2: Minimum Voltage	0.100 pu
PHASE UV2: Block	OFF
PHASE UV2: Target	Self-reset
PHASE UV2: Events	Disabled
PHASE UV3: Function	Disabled
PHASE UV3: Signal Source	52B3 (SRC 1)
PHASE UV3: Mode	Phase to Ground
PHASE UV3: Pickup	1.000 pu
PHASE UV3: Curve	Definite Time
PHASE UV3: Delay	1.00 s
PHASE UV3: Minimum Voltage	0.100 pu
PHASE UV3: Block	OFF
PHASE UV3: Target	Self-reset
PHASE UV3: Events	Disabled

PHASE OV [GROUP 6]

PHASE OV1: Function	Disabled
PHASE OV1: Source	52B3 (SRC 1)
PHASE OV1: Pickup	1.000 pu
PHASE OV1: Delay	1.00 s
PHASE OV1: Reset Delay	1.00 s
PHASE OV1: Block	OFF
PHASE OV1: Target	Self-reset
PHASE OV1: Events	Disabled

NEUTRAL OV [GROUP 6]

NEUTRAL OV 1: Function	Disabled
NEUTRAL OV 1: Source	52B3 (SRC 1)
NEUTRAL OV 1: Pickup	0.300 pu
NEUTRAL OV 1: Curve	Definite Time

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

NEUTRAL OV [GROUP 6] (continued from last page)

NEUTRAL OV 1: Pickup Delay	1.00 s
NEUTRAL OV 1: Reset Delay	1.00 s
NEUTRAL OV 1: Block	OFF
NEUTRAL OV 1: Target	Self-reset
NEUTRAL OV 1: Events	Disabled
NEUTRAL OV 2: Function	Disabled
NEUTRAL OV 2: Source	52B3 (SRC 1)
NEUTRAL OV 2: Pickup	0.300 pu
NEUTRAL OV 2: Curve	Definite Time
NEUTRAL OV 2: Pickup Delay	1.00 s
NEUTRAL OV 2: Reset Delay	1.00 s
NEUTRAL OV 2: Block	OFF
NEUTRAL OV 2: Target	Self-reset
NEUTRAL OV 2: Events	Disabled
NEUTRAL OV 3: Function	Disabled
NEUTRAL OV 3: Source	52B3 (SRC 1)
NEUTRAL OV 3: Pickup	0.300 pu
NEUTRAL OV 3: Curve	Definite Time
NEUTRAL OV 3: Pickup Delay	1.00 s
NEUTRAL OV 3: Reset Delay	1.00 s
NEUTRAL OV 3: Block	OFF
NEUTRAL OV 3: Target	Self-reset
NEUTRAL OV 3: Events	Disabled

NEGATIVE SEQUENCE OV [GROUP 6]

NEG SEQ OV1: Function	Disabled
NEG SEQ OV1: Source	52B3 (SRC 1)
NEG SEQ OV1: Pickup	0.300 pu
NEG SEQ OV1: Pickup Delay	0.50 s
NEG SEQ OV1: Reset Delay	0.50 s
NEG SEQ OV1: Block	OFF
NEG SEQ OV1: Target	Self-reset
NEG SEQ OV1: Events	Disabled
NEG SEQ OV2: Function	Disabled
NEG SEQ OV2: Source	52B3 (SRC 1)
NEG SEQ OV2: Pickup	0.300 pu
NEG SEQ OV2: Pickup Delay	0.50 s
NEG SEQ OV2: Reset Delay	0.50 s
NEG SEQ OV2: Block	OFF
NEG SEQ OV2: Target	Self-reset
NEG SEQ OV2: Events	Disabled
NEG SEQ OV3: Function	Disabled
NEG SEQ OV3: Source	52B3 (SRC 1)
NEG SEQ OV3: Pickup	0.300 pu
NEG SEQ OV3: Pickup Delay	0.50 s
NEG SEQ OV3: Reset Delay	0.50 s
NEG SEQ OV3: Block	OFF
NEG SEQ OV3: Target	Self-reset
NEG SEQ OV3: Events	Disabled

AUXILIARY UV [GROUP 6]

AUXILIARY UV 1: Function	Disabled
AUXILIARY UV 1: Source	52B3 (SRC 1)
AUXILIARY UV 1: Pickup	0.700 pu
AUXILIARY UV 1: Curve	Definite Time
AUXILIARY UV 1: Delay	1.00 s
AUXILIARY UV 1: Minimum Voltage	0.100 pu
AUXILIARY UV 1: Block	OFF
AUXILIARY UV 1: Target	Self-reset
AUXILIARY UV 1: Events	Disabled

AUXILIARY OV [GROUP 6]

AUXILIARY OV 1: Function	Disabled
AUXILIARY OV 1: Source	52B3 (SRC 1)
AUXILIARY OV 1: Pickup	0.300 pu
AUXILIARY OV 1: Pickup Delay	1.00 s
AUXILIARY OV 1: Reset Delay	1.00 s
AUXILIARY OV 1: Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

AUXILIARY OV [GROUP 6] (continued from last page)

AUXILIARY OV 1: Target	Self-reset
AUXILIARY OV 1: Events	Disabled

COMPENSATED OVERVOLTAGE [GROUP 6]

Compensated OV Function	Disabled
Compensated OV Source	52B3 (SRC 1)
Compensated OV Zc Mag	2.00 ohm
Compensated OV Zc Ang	90 deg
Compensated OV I ₁ max	0.20 pu
Compensated OV STG1 PKP	1.300 pu
Compensated OV STG1 Delay	1.00 sec
Compensated OV STG2 PKP	1.300 pu
Compensated OV STG2 Delay	1.00 sec
Compensated OV STG3 PKP	1.300 pu
Compensated OV STG3 Delay	1.00 sec
Compensated OV Block	OFF
Compensated OV Target	Self-reset
Compensated OV Events	Disabled

CONTROL ELEMENTS

TRIP BUS

Trip Bus 1 Function	Enabled
Trip Bus 1 Block	OFF
Trip Bus 1 Pickup Delay	0.00 s
Trip Bus 1 Reset Delay	0.00 s
Trip Bus 1 Input 1	NEUTRAL TOC1 OP
Trip Bus 1 Input 2	NEUTRAL IOC1 OP
Trip Bus 1 Input 3	PHASE TOC1 OP
Trip Bus 1 Input 4	PHASE IOC1 OP
Trip Bus 1 Input 5	PH DIST Z2 OP
Trip Bus 1 Input 6	GND DIST Z2 OP
Trip Bus 1 Input 7	LINE PICKUP OP
Trip Bus 1 Input 8	NEG SEQ IOC1 OP
Trip Bus 1 Input 9	PH DIST Z3 OP
Trip Bus 1 Input 10	PH DIST Z5 OP
Trip Bus 1 Input 11	GND DIST Z3 OP
Trip Bus 1 Input 12	GND DIST Z5 OP
Trip Bus 1 Input 13	PH DIST Z1 OP
Trip Bus 1 Input 14	OFF
Trip Bus 1 Input 15	OFF
Trip Bus 1 Input 16	OFF
Trip Bus 1 Latching	Disabled
Trip Bus 1 Reset	OFF
Trip Bus 1 Target	Disabled
Trip Bus 1 Events	Enabled
Trip Bus 2 Function	Enabled
Trip Bus 2 Block	OFF
Trip Bus 2 Pickup Delay	0.00 s
Trip Bus 2 Reset Delay	0.00 s
Trip Bus 2 Input 1	GND DIST Z1 OP
Trip Bus 2 Input 2	OFF
Trip Bus 2 Input 3	OFF
Trip Bus 2 Input 4	OFF
Trip Bus 2 Input 5	OFF
Trip Bus 2 Input 6	OFF
Trip Bus 2 Input 7	OFF
Trip Bus 2 Input 8	OFF
Trip Bus 2 Input 9	OFF
Trip Bus 2 Input 10	OFF
Trip Bus 2 Input 11	OFF
Trip Bus 2 Input 12	OFF
Trip Bus 2 Input 13	OFF
Trip Bus 2 Input 14	OFF
Trip Bus 2 Input 15	OFF
Trip Bus 2 Input 16	OFF
Trip Bus 2 Latching	Disabled
Trip Bus 2 Reset	OFF
Trip Bus 2 Target	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TRIP BUS (continued from last page)

Trip Bus 2 Events	Enabled
Trip Bus 3 Function	Disabled
Trip Bus 3 Block	OFF
Trip Bus 3 Pickup Delay	0.10 s
Trip Bus 3 Reset Delay	0.00 s
Trip Bus 3 Input 1	OFF
Trip Bus 3 Input 2	OFF
Trip Bus 3 Input 3	OFF
Trip Bus 3 Input 4	OFF
Trip Bus 3 Input 5	OFF
Trip Bus 3 Input 6	OFF
Trip Bus 3 Input 7	OFF
Trip Bus 3 Input 8	OFF
Trip Bus 3 Input 9	OFF
Trip Bus 3 Input 10	OFF
Trip Bus 3 Input 11	OFF
Trip Bus 3 Input 12	OFF
Trip Bus 3 Input 13	OFF
Trip Bus 3 Input 14	OFF
Trip Bus 3 Input 15	OFF
Trip Bus 3 Input 16	OFF
Trip Bus 3 Latching	Disabled
Trip Bus 3 Reset	OFF
Trip Bus 3 Target	Self-reset
Trip Bus 3 Events	Disabled
Trip Bus 4 Function	Disabled
Trip Bus 4 Block	OFF
Trip Bus 4 Pickup Delay	0.00 s
Trip Bus 4 Reset Delay	0.00 s
Trip Bus 4 Input 1	OFF
Trip Bus 4 Input 2	OFF
Trip Bus 4 Input 3	OFF
Trip Bus 4 Input 4	OFF
Trip Bus 4 Input 5	OFF
Trip Bus 4 Input 6	OFF
Trip Bus 4 Input 7	OFF
Trip Bus 4 Input 8	OFF
Trip Bus 4 Input 9	OFF
Trip Bus 4 Input 10	OFF
Trip Bus 4 Input 11	OFF
Trip Bus 4 Input 12	OFF
Trip Bus 4 Input 13	OFF
Trip Bus 4 Input 14	OFF
Trip Bus 4 Input 15	OFF
Trip Bus 4 Input 16	OFF
Trip Bus 4 Latching	Disabled
Trip Bus 4 Reset	OFF
Trip Bus 4 Target	Self-reset
Trip Bus 4 Events	Disabled
Trip Bus 5 Function	Disabled
Trip Bus 5 Block	OFF
Trip Bus 5 Pickup Delay	0.00 s
Trip Bus 5 Reset Delay	0.00 s
Trip Bus 5 Input 1	OFF
Trip Bus 5 Input 2	OFF
Trip Bus 5 Input 3	OFF
Trip Bus 5 Input 4	OFF
Trip Bus 5 Input 5	OFF
Trip Bus 5 Input 6	OFF
Trip Bus 5 Input 7	OFF
Trip Bus 5 Input 8	OFF
Trip Bus 5 Input 9	OFF
Trip Bus 5 Input 10	OFF
Trip Bus 5 Input 11	OFF
Trip Bus 5 Input 12	OFF
Trip Bus 5 Input 13	OFF
Trip Bus 5 Input 14	OFF
Trip Bus 5 Input 15	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

TRIP BUS (continued from last page)

Trip Bus 5 Input 16	OFF
Trip Bus 5 Latching	Disabled
Trip Bus 5 Reset	OFF
Trip Bus 5 Target	Self-reset
Trip Bus 5 Events	Disabled
Trip Bus 6 Function	Disabled
Trip Bus 6 Block	OFF
Trip Bus 6 Pickup Delay	0.00 s
Trip Bus 6 Reset Delay	0.00 s
Trip Bus 6 Input 1	OFF
Trip Bus 6 Input 2	OFF
Trip Bus 6 Input 3	OFF
Trip Bus 6 Input 4	OFF
Trip Bus 6 Input 5	OFF
Trip Bus 6 Input 6	OFF
Trip Bus 6 Input 7	OFF
Trip Bus 6 Input 8	OFF
Trip Bus 6 Input 9	OFF
Trip Bus 6 Input 10	OFF
Trip Bus 6 Input 11	OFF
Trip Bus 6 Input 12	OFF
Trip Bus 6 Input 13	OFF
Trip Bus 6 Input 14	OFF
Trip Bus 6 Input 15	OFF
Trip Bus 6 Input 16	OFF
Trip Bus 6 Latching	Disabled
Trip Bus 6 Reset	OFF
Trip Bus 6 Target	Self-reset
Trip Bus 6 Events	Disabled

SETTING GROUPS

Function	Enabled
Block	OFF
Group 2 Activate On	GRP AJUSTE 2 On(M8c)
Group 3 Activate On	OFF
Group 4 Activate On	OFF
Group 5 Activate On	OFF
Group 6 Activate On	OFF
Group 1 Name	TAP OFF AB
Group 2 Name	TAP OFF CE
Group 3 Name	
Group 4 Name	
Group 5 Name	
Group 6 Name	
Events	Enabled
Current Setting Group	1

SELECTOR SWITCHES

SELECTOR SWITCH 1: Function	Disabled
SELECTOR SWITCH 1: Full Range	7
SELECTOR SWITCH 1: Timeout	5.0 s
SELECTOR SWITCH 1: Step-Up	OFF
SELECTOR SWITCH 1: Step-Up Mode	Time-out
SELECTOR SWITCH 1: Acknowledge	OFF
SELECTOR SWITCH 1: 3Bit A0	OFF
SELECTOR SWITCH 1: 3Bit A1	OFF
SELECTOR SWITCH 1: 3Bit A2	OFF
SELECTOR SWITCH 1: 3Bit Mode	Time-out
SELECTOR SWITCH 1: 3Bit Ack	OFF
SELECTOR SWITCH 1: Power-Up Mode	Restore
SELECTOR SWITCH 1: Targets	Self-reset
SELECTOR SWITCH 1: Events	Disabled
SELECTOR SWITCH 2: Function	Disabled
SELECTOR SWITCH 2: Full Range	7
SELECTOR SWITCH 2: Timeout	5.0 s
SELECTOR SWITCH 2: Step-Up	OFF
SELECTOR SWITCH 2: Step-Up Mode	Time-out
SELECTOR SWITCH 2: Acknowledge	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SELECTOR SWITCHES (continued from last page)

SELECTOR SWITCH 2: 3Bit A0	OFF
SELECTOR SWITCH 2: 3Bit A1	OFF
SELECTOR SWITCH 2: 3Bit A2	OFF
SELECTOR SWITCH 2: 3Bit Mode	Time-out
SELECTOR SWITCH 2: 3Bit Ack	OFF
SELECTOR SWITCH 2: Power-Up Mode	Restore
SELECTOR SWITCH 2: Targets	Self-reset
SELECTOR SWITCH 2: Events	Disabled

TRIP OUTPUT

Trip Mode	3 Pole Only
Trip 3-Pole Input1	TRIPBUS 1 OP
Trip 3-Pole Input2	TRIPBUS 2 OP
Trip 3-Pole Input3	OFF
Trip 3-Pole Input4	OFF
Trip 3-Pole Input5	OFF
Trip 3-Pole Input6	OFF
Trip 1-Pole Input1	OFF
Trip 1-Pole Input2	OFF
Trip 1-Pole Input3	OFF
Trip 1-Pole Input4	OFF
Trip 1-Pole Input5	OFF
Trip 1-Pole Input6	OFF
Trip Reclose Input1	OFF
Trip Reclose Input2	OFF
Trip Reclose Input3	OFF
Trip Reclose Input4	OFF
Trip Reclose Input5	OFF
Trip Reclose Input6	OFF
Trip Seal in Delay	0.050 s
Trip Reset	Pole Curr OR Custom
Start Timer Z2Ph In1	OFF
Start Timer Z2Ph In2	OFF
Start Timer Z2Gr In1	OFF
Start Timer Z2Gr In2	OFF
BKR Phase A Open	OFF
BKR Phase B Open	OFF
BKR Phase C Open	OFF
Trip Force 3-Pole	OFF
Trip Pilot Priority	0.000 s
Reverse Fault	OFF
Trip Delay On Evolving Faults	0.000 s
Trip Events	Enabled

SYNCHROCHECK

SYNCHROCHECK1: Function	Disabled
SYNCHROCHECK1: Block	OFF
SYNCHROCHECK1: V1 Source	52B3 (SRC 1)
SYNCHROCHECK1: V2 Source	SYNC (SRC 2)
SYNCHROCHECK1: Max Volt Diff	10000 V
SYNCHROCHECK1: Max Angle Diff	30 deg
SYNCHROCHECK1: Max Freq Diff	1.00 Hz
SYNCHROCHECK1: Freq Hysteresis	0.06 Hz
SYNCHROCHECK1: Dead Source Select	LV1 and DV2
SYNCHROCHECK1: Dead V1 Max Volt	0.30 pu
SYNCHROCHECK1: Dead V2 Max Volt	0.30 pu
SYNCHROCHECK1: Live V1 Min Volt	0.70 pu
SYNCHROCHECK1: Live V2 Min Volt	0.70 pu
SYNCHROCHECK1: Target	Self-reset
SYNCHROCHECK1: Events	Disabled
SYNCHROCHECK2: Function	Disabled
SYNCHROCHECK2: Block	OFF
SYNCHROCHECK2: V1 Source	52B3 (SRC 1)
SYNCHROCHECK2: V2 Source	SYNC (SRC 2)
SYNCHROCHECK2: Max Volt Diff	10000 V
SYNCHROCHECK2: Max Angle Diff	30 deg
SYNCHROCHECK2: Max Freq Diff	1.00 Hz
SYNCHROCHECK2: Freq Hysteresis	0.06 Hz

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

SYNCHROCHECK (continued from last page)

SYNCHROCHECK2: Dead Source Select	LV1 and DV2
SYNCHROCHECK2: Dead V1 Max Volt	0.30 pu
SYNCHROCHECK2: Dead V2 Max Volt	0.30 pu
SYNCHROCHECK2: Live V1 Min Volt	0.70 pu
SYNCHROCHECK2: Live V2 Min Volt	0.70 pu
SYNCHROCHECK2: Target	Self-reset
SYNCHROCHECK2: Events	Disabled

DIGITAL ELEMENTS

Digital Element 1 Function	Enabled
Digital Element 1 Name	SCA OP ANY AP
Digital Element 1 Input	OFF
Digital Element 1 Pickup Delay	0.000 s
Digital Element 1 Reset Delay	3.000 s
Digital Element 1 Pickup Led	Disabled
Digital Element 1 Block	OFF
Digital Element 1 Target	Disabled
Digital Element 1 Events	Disabled
Digital Element 2 Function	Enabled
Digital Element 2 Name	SCA 85C REM AP
Digital Element 2 Input	OFF
Digital Element 2 Pickup Delay	0.000 s
Digital Element 2 Reset Delay	3.000 s
Digital Element 2 Pickup Led	Disabled
Digital Element 2 Block	OFF
Digital Element 2 Target	Disabled
Digital Element 2 Events	Disabled
Digital Element 3 Function	Disabled
Digital Element 3 Name	Dig Element 3
Digital Element 3 Input	OFF
Digital Element 3 Pickup Delay	0.000 s
Digital Element 3 Reset Delay	0.000 s
Digital Element 3 Pickup Led	Enabled
Digital Element 3 Block	OFF
Digital Element 3 Target	Self-reset
Digital Element 3 Events	Disabled
Digital Element 4 Function	Disabled
Digital Element 4 Name	Dig Element 4
Digital Element 4 Input	OFF
Digital Element 4 Pickup Delay	0.000 s
Digital Element 4 Reset Delay	0.000 s
Digital Element 4 Pickup Led	Enabled
Digital Element 4 Block	OFF
Digital Element 4 Target	Self-reset
Digital Element 4 Events	Disabled
Digital Element 5 Function	Disabled
Digital Element 5 Name	Dig Element 5
Digital Element 5 Input	OFF
Digital Element 5 Pickup Delay	0.000 s
Digital Element 5 Reset Delay	0.000 s
Digital Element 5 Pickup Led	Enabled
Digital Element 5 Block	OFF
Digital Element 5 Target	Self-reset
Digital Element 5 Events	Disabled
Digital Element 6 Function	Disabled
Digital Element 6 Name	Dig Element 6
Digital Element 6 Input	OFF
Digital Element 6 Pickup Delay	0.000 s
Digital Element 6 Reset Delay	0.000 s
Digital Element 6 Pickup Led	Enabled
Digital Element 6 Block	OFF
Digital Element 6 Target	Self-reset
Digital Element 6 Events	Disabled
Digital Element 7 Function	Disabled
Digital Element 7 Name	Dig Element 7
Digital Element 7 Input	OFF
Digital Element 7 Pickup Delay	0.000 s
Digital Element 7 Reset Delay	0.000 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 7 Pickup Led	Enabled
Digital Element 7 Block	OFF
Digital Element 7 Target	Self-reset
Digital Element 7 Events	Disabled
Digital Element 8 Function	Disabled
Digital Element 8 Name	Dig Element 8
Digital Element 8 Input	OFF
Digital Element 8 Pickup Delay	0.000 s
Digital Element 8 Reset Delay	0.000 s
Digital Element 8 Pickup Led	Enabled
Digital Element 8 Block	OFF
Digital Element 8 Target	Self-reset
Digital Element 8 Events	Disabled
Digital Element 9 Function	Disabled
Digital Element 9 Name	Dig Element 9
Digital Element 9 Input	OFF
Digital Element 9 Pickup Delay	0.000 s
Digital Element 9 Reset Delay	0.000 s
Digital Element 9 Pickup Led	Enabled
Digital Element 9 Block	OFF
Digital Element 9 Target	Self-reset
Digital Element 9 Events	Disabled
Digital Element 10 Function	Disabled
Digital Element 10 Name	Dig Element 10
Digital Element 10 Input	OFF
Digital Element 10 Pickup Delay	0.000 s
Digital Element 10 Reset Delay	0.000 s
Digital Element 10 Pickup Led	Enabled
Digital Element 10 Block	OFF
Digital Element 10 Target	Self-reset
Digital Element 10 Events	Disabled
Digital Element 11 Function	Disabled
Digital Element 11 Name	Dig Element 11
Digital Element 11 Input	OFF
Digital Element 11 Pickup Delay	0.000 s
Digital Element 11 Reset Delay	0.000 s
Digital Element 11 Pickup Led	Enabled
Digital Element 11 Block	OFF
Digital Element 11 Target	Self-reset
Digital Element 11 Events	Disabled
Digital Element 12 Function	Disabled
Digital Element 12 Name	Dig Element 12
Digital Element 12 Input	OFF
Digital Element 12 Pickup Delay	0.000 s
Digital Element 12 Reset Delay	0.000 s
Digital Element 12 Pickup Led	Enabled
Digital Element 12 Block	OFF
Digital Element 12 Target	Self-reset
Digital Element 12 Events	Disabled
Digital Element 13 Function	Disabled
Digital Element 13 Name	Dig Element 13
Digital Element 13 Input	OFF
Digital Element 13 Pickup Delay	0.000 s
Digital Element 13 Reset Delay	0.000 s
Digital Element 13 Pickup Led	Enabled
Digital Element 13 Block	OFF
Digital Element 13 Target	Self-reset
Digital Element 13 Events	Disabled
Digital Element 14 Function	Disabled
Digital Element 14 Name	Dig Element 14
Digital Element 14 Input	OFF
Digital Element 14 Pickup Delay	0.000 s
Digital Element 14 Reset Delay	0.000 s
Digital Element 14 Pickup Led	Enabled
Digital Element 14 Block	OFF
Digital Element 14 Target	Self-reset
Digital Element 14 Events	Disabled
Digital Element 15 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 15 Name	Dig Element 15
Digital Element 15 Input	OFF
Digital Element 15 Pickup Delay	0.000 s
Digital Element 15 Reset Delay	0.000 s
Digital Element 15 Pickup Led	Enabled
Digital Element 15 Block	OFF
Digital Element 15 Target	Self-reset
Digital Element 15 Events	Disabled
Digital Element 16 Function	Disabled
Digital Element 16 Name	Dig Element 16
Digital Element 16 Input	OFF
Digital Element 16 Pickup Delay	0.000 s
Digital Element 16 Reset Delay	0.000 s
Digital Element 16 Pickup Led	Enabled
Digital Element 16 Block	OFF
Digital Element 16 Target	Self-reset
Digital Element 16 Events	Disabled
Digital Element 17 Function	Disabled
Digital Element 17 Name	Dig Element 17
Digital Element 17 Input	OFF
Digital Element 17 Pickup Delay	0.000 s
Digital Element 17 Reset Delay	0.000 s
Digital Element 17 Pickup Led	Enabled
Digital Element 17 Block	OFF
Digital Element 17 Target	Self-reset
Digital Element 17 Events	Disabled
Digital Element 18 Function	Disabled
Digital Element 18 Name	Dig Element 18
Digital Element 18 Input	OFF
Digital Element 18 Pickup Delay	0.000 s
Digital Element 18 Reset Delay	0.000 s
Digital Element 18 Pickup Led	Enabled
Digital Element 18 Block	OFF
Digital Element 18 Target	Self-reset
Digital Element 18 Events	Disabled
Digital Element 19 Function	Disabled
Digital Element 19 Name	Dig Element 19
Digital Element 19 Input	OFF
Digital Element 19 Pickup Delay	0.000 s
Digital Element 19 Reset Delay	0.000 s
Digital Element 19 Pickup Led	Enabled
Digital Element 19 Block	OFF
Digital Element 19 Target	Self-reset
Digital Element 19 Events	Disabled
Digital Element 20 Function	Disabled
Digital Element 20 Name	Dig Element 20
Digital Element 20 Input	OFF
Digital Element 20 Pickup Delay	0.000 s
Digital Element 20 Reset Delay	0.000 s
Digital Element 20 Pickup Led	Enabled
Digital Element 20 Block	OFF
Digital Element 20 Target	Self-reset
Digital Element 20 Events	Disabled
Digital Element 21 Function	Disabled
Digital Element 21 Name	Dig Element 21
Digital Element 21 Input	OFF
Digital Element 21 Pickup Delay	0.000 s
Digital Element 21 Reset Delay	0.000 s
Digital Element 21 Pickup Led	Enabled
Digital Element 21 Block	OFF
Digital Element 21 Target	Self-reset
Digital Element 21 Events	Disabled
Digital Element 22 Function	Disabled
Digital Element 22 Name	Dig Element 22
Digital Element 22 Input	OFF
Digital Element 22 Pickup Delay	0.000 s
Digital Element 22 Reset Delay	0.000 s
Digital Element 22 Pickup Led	Enabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 22 Block	OFF
Digital Element 22 Target	Self-reset
Digital Element 22 Events	Disabled
Digital Element 23 Function	Disabled
Digital Element 23 Name	Dig Element 23
Digital Element 23 Input	OFF
Digital Element 23 Pickup Delay	0.000 s
Digital Element 23 Reset Delay	0.000 s
Digital Element 23 Pickup Led	Enabled
Digital Element 23 Block	OFF
Digital Element 23 Target	Self-reset
Digital Element 23 Events	Disabled
Digital Element 24 Function	Disabled
Digital Element 24 Name	Dig Element 24
Digital Element 24 Input	OFF
Digital Element 24 Pickup Delay	0.000 s
Digital Element 24 Reset Delay	0.000 s
Digital Element 24 Pickup Led	Enabled
Digital Element 24 Block	OFF
Digital Element 24 Target	Self-reset
Digital Element 24 Events	Disabled
Digital Element 25 Function	Disabled
Digital Element 25 Name	Dig Element 25
Digital Element 25 Input	OFF
Digital Element 25 Pickup Delay	0.000 s
Digital Element 25 Reset Delay	0.000 s
Digital Element 25 Pickup Led	Enabled
Digital Element 25 Block	OFF
Digital Element 25 Target	Self-reset
Digital Element 25 Events	Disabled
Digital Element 26 Function	Disabled
Digital Element 26 Name	Dig Element 26
Digital Element 26 Input	OFF
Digital Element 26 Pickup Delay	0.000 s
Digital Element 26 Reset Delay	0.000 s
Digital Element 26 Pickup Led	Enabled
Digital Element 26 Block	OFF
Digital Element 26 Target	Self-reset
Digital Element 26 Events	Disabled
Digital Element 27 Function	Disabled
Digital Element 27 Name	Dig Element 27
Digital Element 27 Input	OFF
Digital Element 27 Pickup Delay	0.000 s
Digital Element 27 Reset Delay	0.000 s
Digital Element 27 Pickup Led	Enabled
Digital Element 27 Block	OFF
Digital Element 27 Target	Self-reset
Digital Element 27 Events	Disabled
Digital Element 28 Function	Disabled
Digital Element 28 Name	Dig Element 28
Digital Element 28 Input	OFF
Digital Element 28 Pickup Delay	0.000 s
Digital Element 28 Reset Delay	0.000 s
Digital Element 28 Pickup Led	Enabled
Digital Element 28 Block	OFF
Digital Element 28 Target	Self-reset
Digital Element 28 Events	Disabled
Digital Element 29 Function	Disabled
Digital Element 29 Name	Dig Element 29
Digital Element 29 Input	OFF
Digital Element 29 Pickup Delay	0.000 s
Digital Element 29 Reset Delay	0.000 s
Digital Element 29 Pickup Led	Enabled
Digital Element 29 Block	OFF
Digital Element 29 Target	Self-reset
Digital Element 29 Events	Disabled
Digital Element 30 Function	Disabled
Digital Element 30 Name	Dig Element 30

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 30 Input	OFF
Digital Element 30 Pickup Delay	0.000 s
Digital Element 30 Reset Delay	0.000 s
Digital Element 30 Pickup Led	Enabled
Digital Element 30 Block	OFF
Digital Element 30 Target	Self-reset
Digital Element 30 Events	Disabled
Digital Element 31 Function	Disabled
Digital Element 31 Name	Dig Element 31
Digital Element 31 Input	OFF
Digital Element 31 Pickup Delay	0.000 s
Digital Element 31 Reset Delay	0.000 s
Digital Element 31 Pickup Led	Enabled
Digital Element 31 Block	OFF
Digital Element 31 Target	Self-reset
Digital Element 31 Events	Disabled
Digital Element 32 Function	Disabled
Digital Element 32 Name	Dig Element 32
Digital Element 32 Input	OFF
Digital Element 32 Pickup Delay	0.000 s
Digital Element 32 Reset Delay	0.000 s
Digital Element 32 Pickup Led	Enabled
Digital Element 32 Block	OFF
Digital Element 32 Target	Self-reset
Digital Element 32 Events	Disabled
Digital Element 33 Function	Disabled
Digital Element 33 Name	Dig Element 33
Digital Element 33 Input	OFF
Digital Element 33 Pickup Delay	0.000 s
Digital Element 33 Reset Delay	0.000 s
Digital Element 33 Pickup Led	Enabled
Digital Element 33 Block	OFF
Digital Element 33 Target	Self-reset
Digital Element 33 Events	Disabled
Digital Element 34 Function	Disabled
Digital Element 34 Name	Dig Element 34
Digital Element 34 Input	OFF
Digital Element 34 Pickup Delay	0.000 s
Digital Element 34 Reset Delay	0.000 s
Digital Element 34 Pickup Led	Enabled
Digital Element 34 Block	OFF
Digital Element 34 Target	Self-reset
Digital Element 34 Events	Disabled
Digital Element 35 Function	Disabled
Digital Element 35 Name	Dig Element 35
Digital Element 35 Input	OFF
Digital Element 35 Pickup Delay	0.000 s
Digital Element 35 Reset Delay	0.000 s
Digital Element 35 Pickup Led	Enabled
Digital Element 35 Block	OFF
Digital Element 35 Target	Self-reset
Digital Element 35 Events	Disabled
Digital Element 36 Function	Disabled
Digital Element 36 Name	Dig Element 36
Digital Element 36 Input	OFF
Digital Element 36 Pickup Delay	0.000 s
Digital Element 36 Reset Delay	0.000 s
Digital Element 36 Pickup Led	Enabled
Digital Element 36 Block	OFF
Digital Element 36 Target	Self-reset
Digital Element 36 Events	Disabled
Digital Element 37 Function	Disabled
Digital Element 37 Name	Dig Element 37
Digital Element 37 Input	OFF
Digital Element 37 Pickup Delay	0.000 s
Digital Element 37 Reset Delay	0.000 s
Digital Element 37 Pickup Led	Enabled
Digital Element 37 Block	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 37 Target	Self-reset
Digital Element 37 Events	Disabled
Digital Element 38 Function	Disabled
Digital Element 38 Name	Dig Element 38
Digital Element 38 Input	OFF
Digital Element 38 Pickup Delay	0.000 s
Digital Element 38 Reset Delay	0.000 s
Digital Element 38 Pickup Led	Enabled
Digital Element 38 Block	OFF
Digital Element 38 Target	Self-reset
Digital Element 38 Events	Disabled
Digital Element 39 Function	Disabled
Digital Element 39 Name	Dig Element 39
Digital Element 39 Input	OFF
Digital Element 39 Pickup Delay	0.000 s
Digital Element 39 Reset Delay	0.000 s
Digital Element 39 Pickup Led	Enabled
Digital Element 39 Block	OFF
Digital Element 39 Target	Self-reset
Digital Element 39 Events	Disabled
Digital Element 40 Function	Disabled
Digital Element 40 Name	Dig Element 40
Digital Element 40 Input	OFF
Digital Element 40 Pickup Delay	0.000 s
Digital Element 40 Reset Delay	0.000 s
Digital Element 40 Pickup Led	Enabled
Digital Element 40 Block	OFF
Digital Element 40 Target	Self-reset
Digital Element 40 Events	Disabled
Digital Element 41 Function	Disabled
Digital Element 41 Name	Dig Element 41
Digital Element 41 Input	OFF
Digital Element 41 Pickup Delay	0.000 s
Digital Element 41 Reset Delay	0.000 s
Digital Element 41 Pickup Led	Enabled
Digital Element 41 Block	OFF
Digital Element 41 Target	Self-reset
Digital Element 41 Events	Disabled
Digital Element 42 Function	Disabled
Digital Element 42 Name	Dig Element 42
Digital Element 42 Input	OFF
Digital Element 42 Pickup Delay	0.000 s
Digital Element 42 Reset Delay	0.000 s
Digital Element 42 Pickup Led	Enabled
Digital Element 42 Block	OFF
Digital Element 42 Target	Self-reset
Digital Element 42 Events	Disabled
Digital Element 43 Function	Disabled
Digital Element 43 Name	Dig Element 43
Digital Element 43 Input	OFF
Digital Element 43 Pickup Delay	0.000 s
Digital Element 43 Reset Delay	0.000 s
Digital Element 43 Pickup Led	Enabled
Digital Element 43 Block	OFF
Digital Element 43 Target	Self-reset
Digital Element 43 Events	Disabled
Digital Element 44 Function	Disabled
Digital Element 44 Name	Dig Element 44
Digital Element 44 Input	OFF
Digital Element 44 Pickup Delay	0.000 s
Digital Element 44 Reset Delay	0.000 s
Digital Element 44 Pickup Led	Enabled
Digital Element 44 Block	OFF
Digital Element 44 Target	Self-reset
Digital Element 44 Events	Disabled
Digital Element 45 Function	Disabled
Digital Element 45 Name	Dig Element 45
Digital Element 45 Input	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL ELEMENTS (continued from last page)

Digital Element 45 Pickup Delay	0.000 s
Digital Element 45 Reset Delay	0.000 s
Digital Element 45 Pickup Led	Enabled
Digital Element 45 Block	OFF
Digital Element 45 Target	Self-reset
Digital Element 45 Events	Disabled
Digital Element 46 Function	Disabled
Digital Element 46 Name	Dig Element 46
Digital Element 46 Input	OFF
Digital Element 46 Pickup Delay	0.000 s
Digital Element 46 Reset Delay	0.000 s
Digital Element 46 Pickup Led	Enabled
Digital Element 46 Block	OFF
Digital Element 46 Target	Self-reset
Digital Element 46 Events	Disabled
Digital Element 47 Function	Disabled
Digital Element 47 Name	Dig Element 47
Digital Element 47 Input	OFF
Digital Element 47 Pickup Delay	0.000 s
Digital Element 47 Reset Delay	0.000 s
Digital Element 47 Pickup Led	Enabled
Digital Element 47 Block	OFF
Digital Element 47 Target	Self-reset
Digital Element 47 Events	Disabled
Digital Element 48 Function	Disabled
Digital Element 48 Name	Dig Element 48
Digital Element 48 Input	OFF
Digital Element 48 Pickup Delay	0.000 s
Digital Element 48 Reset Delay	0.000 s
Digital Element 48 Pickup Led	Enabled
Digital Element 48 Block	OFF
Digital Element 48 Target	Self-reset
Digital Element 48 Events	Disabled

DIGITAL COUNTERS

Digital Counter 1 Function	Enabled
Digital Counter 1 Name	OP. INTER.
Digital Counter 1 Units	
Digital Counter 1 Preset	0
Digital Counter 1 Compare	0
Digital Counter 1 Up	52B3 AB On(H7a)
Digital Counter 1 Down	OFF
Digital Counter 1 Block	OFF
Digital Counter 1 Set To Preset	OFF
Digital Counter 1 Reset	RST COUNTERS On (VI64)
Digital Counter 1 Freeze/Reset	OFF
Digital Counter 1 Freeze/Count	52B3 CE On(H8c)
Digital Counter 2 Function	Enabled
Digital Counter 2 Name	OP. PROT.
Digital Counter 2 Units	
Digital Counter 2 Preset	0
Digital Counter 2 Compare	0
Digital Counter 2 Up	TRIP PROT. On (VO9)
Digital Counter 2 Down	OFF
Digital Counter 2 Block	OFF
Digital Counter 2 Set To Preset	OFF
Digital Counter 2 Reset	RST COUNTERS On (VI64)
Digital Counter 2 Freeze/Reset	OFF
Digital Counter 2 Freeze/Count	TRIP PROT. On (VO9)
Digital Counter 3 Function	Disabled
Digital Counter 3 Name	Counter 3
Digital Counter 3 Units	
Digital Counter 3 Preset	0
Digital Counter 3 Compare	0
Digital Counter 3 Up	OFF
Digital Counter 3 Down	OFF
Digital Counter 3 Block	OFF
Digital Counter 3 Set To Preset	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL COUNTERS (continued from last page)

Digital Counter 3 Reset	OFF
Digital Counter 3 Freeze/Reset	OFF
Digital Counter 3 Freeze/Count	OFF
Digital Counter 4 Function	Disabled
Digital Counter 4 Name	Counter 4
Digital Counter 4 Units	
Digital Counter 4 Preset	0
Digital Counter 4 Compare	0
Digital Counter 4 Up	OFF
Digital Counter 4 Down	OFF
Digital Counter 4 Block	OFF
Digital Counter 4 Set To Preset	OFF
Digital Counter 4 Reset	OFF
Digital Counter 4 Freeze/Reset	OFF
Digital Counter 4 Freeze/Count	OFF
Digital Counter 5 Function	Disabled
Digital Counter 5 Name	Counter 5
Digital Counter 5 Units	
Digital Counter 5 Preset	0
Digital Counter 5 Compare	0
Digital Counter 5 Up	OFF
Digital Counter 5 Down	OFF
Digital Counter 5 Block	OFF
Digital Counter 5 Set To Preset	OFF
Digital Counter 5 Reset	OFF
Digital Counter 5 Freeze/Reset	OFF
Digital Counter 5 Freeze/Count	OFF
Digital Counter 6 Function	Disabled
Digital Counter 6 Name	Counter 6
Digital Counter 6 Units	
Digital Counter 6 Preset	0
Digital Counter 6 Compare	0
Digital Counter 6 Up	OFF
Digital Counter 6 Down	OFF
Digital Counter 6 Block	OFF
Digital Counter 6 Set To Preset	OFF
Digital Counter 6 Reset	OFF
Digital Counter 6 Freeze/Reset	OFF
Digital Counter 6 Freeze/Count	OFF
Digital Counter 7 Function	Disabled
Digital Counter 7 Name	Counter 7
Digital Counter 7 Units	
Digital Counter 7 Preset	0
Digital Counter 7 Compare	0
Digital Counter 7 Up	OFF
Digital Counter 7 Down	OFF
Digital Counter 7 Block	OFF
Digital Counter 7 Set To Preset	OFF
Digital Counter 7 Reset	OFF
Digital Counter 7 Freeze/Reset	OFF
Digital Counter 7 Freeze/Count	OFF
Digital Counter 8 Function	Disabled
Digital Counter 8 Name	Counter 8
Digital Counter 8 Units	
Digital Counter 8 Preset	0
Digital Counter 8 Compare	0
Digital Counter 8 Up	OFF
Digital Counter 8 Down	OFF
Digital Counter 8 Block	OFF
Digital Counter 8 Set To Preset	OFF
Digital Counter 8 Reset	OFF
Digital Counter 8 Freeze/Reset	OFF
Digital Counter 8 Freeze/Count	OFF

MONITORING ELEMENTS

BREAKER ARCING CURRENT

BREAKER 1 ARC: Function	Disabled
BREAKER 1 ARC: Source	52B3 (SRC 1)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

BREAKER ARCING CURRENT (continued from last page)

BREAKER 1 ARC: Init A	OFF
BREAKER 1 ARC: Init B	OFF
BREAKER 1 ARC: Init C	OFF
BREAKER 1 ARC: Delay	0.000 s
BREAKER 1 ARC: Limit	1000 kA2-cyc
BREAKER 1 ARC: Block	OFF
BREAKER 1 ARC: Target	Self-reset
BREAKER 1 ARC: Events	Disabled
BREAKER 2 ARC: Function	Disabled
BREAKER 2 ARC: Source	52B3 (SRC 1)
BREAKER 2 ARC: Init A	OFF
BREAKER 2 ARC: Init B	OFF
BREAKER 2 ARC: Init C	OFF
BREAKER 2 ARC: Delay	0.000 s
BREAKER 2 ARC: Limit	1000 kA2-cyc
BREAKER 2 ARC: Block	OFF
BREAKER 2 ARC: Target	Self-reset
BREAKER 2 ARC: Events	Disabled

BREAKER FLASHOVER

BREAKER FLASHOVER 1: Function	Disabled
BREAKER FLASHOVER 1: Side 1	52B3 (SRC 1)
BREAKER FLASHOVER 1: Side 2	None
BREAKER FLASHOVER 1: Status Closed A	OFF
BREAKER FLASHOVER 1: Status Closed B	OFF
BREAKER FLASHOVER 1: Status Closed C	OFF
BREAKER FLASHOVER 1: V Pickup	0.850 pu
BREAKER FLASHOVER 1: Diff V Pickup	1000 V
BREAKER FLASHOVER 1: Amp Pickup	0.600 pu
BREAKER FLASHOVER 1: Pickup Delay	0.100 s
BREAKER FLASHOVER 1: Supv A	OFF
BREAKER FLASHOVER 1: Supv B	OFF
BREAKER FLASHOVER 1: Supv C	OFF
BREAKER FLASHOVER 1: Block	OFF
BREAKER FLASHOVER 1: Target	Self-reset
BREAKER FLASHOVER 1: Events	Disabled
BREAKER FLASHOVER 2: Function	Disabled
BREAKER FLASHOVER 2: Side 1	52B3 (SRC 1)
BREAKER FLASHOVER 2: Side 2	None
BREAKER FLASHOVER 2: Status Closed A	OFF
BREAKER FLASHOVER 2: Status Closed B	OFF
BREAKER FLASHOVER 2: Status Closed C	OFF
BREAKER FLASHOVER 2: V Pickup	0.850 pu
BREAKER FLASHOVER 2: Diff V Pickup	1000 V
BREAKER FLASHOVER 2: Amp Pickup	0.600 pu
BREAKER FLASHOVER 2: Pickup Delay	0.100 s
BREAKER FLASHOVER 2: Supv A	OFF
BREAKER FLASHOVER 2: Supv B	OFF
BREAKER FLASHOVER 2: Supv C	OFF
BREAKER FLASHOVER 2: Block	OFF
BREAKER FLASHOVER 2: Target	Self-reset
BREAKER FLASHOVER 2: Events	Disabled

VT FUSE FAILURE

VT FUSE FAILURE 1: Function	Enabled
VT FUSE FAILURE 2: Function	Disabled

OPEN POLE

Function	Enabled
Block	OFF
Voltage SUPV	Disabled
Current Pickup	0.050 pu
Open Pole Line XC1	9999.9 ohms
Open Pole Line XC0	9999.9 ohms
Open Pole REM Current PKP	0.050 pu
Open Pole Mode	Accelerated
Open Pole Detection	I AND V only
Target	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

OPEN POLE (continued from last page)

Events Enabled

PILOT SCHEMES

1P DUTT SCHEME

Function	Disabled
Block	OFF
Seal-In Delay	0.000 s
No of Comm Bits	1
RX1	OFF
RX2	OFF
RX3	OFF
RX4	OFF
Target	Self-reset
Event	Disabled

1P PUTT SCHEME

Function	Disabled
Block	OFF
Rx Pickup Delay	0.000 s
Seal-In Delay	0.000 s
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
target	Self-reset
Event	Disabled

1P POTT SCHEME

Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Condition	OFF
Rx Pickup Delay	0.000 s
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Line End Open Pickup Delay	0.050 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
Target	Self-reset
Event	Disabled

1P HYBRID POTT SCHEME

Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Condition	OFF
Weak Infeed	Enabled
W/I Condition	OFF
Rx Pickup Delay	0.000 s
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

1P HYBRID POTT SCHEME (continued from last page)

Rx4	OFF
Target	Self-reset
Event	Disabled

1P BLOCKING SCHEME

Function	Disabled
Block	OFF
Rx Coord Pickup Delay	0.010 s
Transient Block Pickup Delay	0.030 s
Transient Block Reset Delay	0.090 s
Seal-In Delay	0.000 s
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
No of Comm Bits	1
Rx1	OFF
Rx2	OFF
Rx3	OFF
Rx4	OFF
Target	Self-reset
Event	Disabled

DCUB SCHEME

Scheme Function	Disabled
Block	OFF
Permissive Echo	Disabled
Echo Cond	OFF
Gnd Dir OC Fwd	OFF
Gnd Dir OC Rev	OFF
Trans Block Pickup Delay	0.020 s
Trans Block Reset Delay	0.090 s
Echo Duration	0.100 s
Echo Lockout	0.250 s
Line End Open Pickup Delay	0.050 s
Log Pickup Delay	0.008 s
Guard Healthy Reset Delay	0.015 s
Log Trip Window	0.150 s
Seal In Delay	0.010 s
Comm Bits	1
Rx1	OFF
Log1	OFF
Rx2	OFF
Log2	OFF
Rx3	OFF
Log3	OFF
Rx4	OFF
Log4	OFF
Target	Self-reset
Event	Disabled

AUTORECLOSE 1P

Function	Enabled
Mode	3 Pole - A
Max Number Of Shots	1
AR Initiate Mode	Protection AND CB
Block BKR1	OFF
Close Time BKR1	0.10 s
BKR Man Close	CE MAN 52B3 On (VO7)
Blk Time Upon Man Cls	10.00 s
1-P Init	OFF
3-P Init	PART 79 3P On (VO5)
3-P TD Init	OFF
Multi P Fault	OFF
BKR 1 Pole Open	OFF
BKR 3 Pole Open	BREAKER 1 OPEN
3-P Dead Time 1	1.00 s
3-P Dead Time 2	1.20 s
3-P Dead Time 3	2.00 s
3-P Dead Time 4	4.00 s

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

AUTORECLOSE 1P (continued from last page)

Extend Dead T1	OFF
Dead T1 Extension	0.00 s
Reset	RESET OP
Reset Time	10.00 s
BKR Closed	BREAKER 1 CLOSED
Block	DES/HAB 79 On (VO25)
Pause	OFF
Inc Seq Time	5.00 s
Block BKR2	OFF
Close Time BKR2	0.10 s
Transfer 1 to 2	No
Transfer 2 to 1	No
BKR1 Fail Option	Lockout
BKR2 Fail Option	Lockout
1-P Dead Time	1.00 s
BKR Sequence	1
Transfer Time	4.00 s
BUS FLT Init	OFF
Event	Enabled

INPUTS/OUTPUTS

CONTACT INPUTS

[H7A] Contact Input 1 ID	52B3 AB
[H7A] Contact Input 1 Debounce Time	2.0 ms
[H7A] Contact Input 1 Events	Enabled
[H7C] Contact Input 2 ID	Cont Ip 2
[H7C] Contact Input 2 Debounce Time	2.0 ms
[H7C] Contact Input 2 Events	Enabled
[H8A] Contact Input 3 ID	Cont Ip 3
[H8A] Contact Input 3 Debounce Time	2.0 ms
[H8A] Contact Input 3 Events	Enabled
[H8C] Contact Input 4 ID	52B3 CE
[H8C] Contact Input 4 Debounce Time	2.0 ms
[H8C] Contact Input 4 Events	Enabled
[M7A] Contact Input 5 ID	RX 85A
[M7A] Contact Input 5 Debounce Time	2.0 ms
[M7A] Contact Input 5 Events	Enabled
[M7C] Contact Input 6 ID	RX 85C
[M7C] Contact Input 6 Debounce Time	2.0 ms
[M7C] Contact Input 6 Events	Enabled
[M8A] Contact Input 7 ID	GRP AJUSTE 1
[M8A] Contact Input 7 Debounce Time	2.0 ms
[M8A] Contact Input 7 Events	Enabled
[M8C] Contact Input 8 ID	GRP AJUSTE 2
[M8C] Contact Input 8 Debounce Time	2.0 ms
[M8C] Contact Input 8 Events	Enabled
[P7A] Contact Input 9 ID	P.EXT.50BF-A
[P7A] Contact Input 9 Debounce Time	2.0 ms
[P7A] Contact Input 9 Events	Enabled
[P7C] Contact Input 10 ID	P.EXT.50BF-B
[P7C] Contact Input 10 Debounce Time	2.0 ms
[P7C] Contact Input 10 Events	Enabled
[P8A] Contact Input 11 ID	P.EXT.50BF-C
[P8A] Contact Input 11 Debounce Time	2.0 ms
[P8A] Contact Input 11 Events	Enabled
[P8C] Contact Input 12 ID	RX TRIP REM
[P8C] Contact Input 12 Debounce Time	2.0 ms
[P8C] Contact Input 12 Events	Enabled
[U7A] Contact Input 13 ID	S79 S1 ON
[U7A] Contact Input 13 Debounce Time	2.0 ms
[U7A] Contact Input 13 Events	Enabled
[U7C] Contact Input 14 ID	S79 S2 ON
[U7C] Contact Input 14 Debounce Time	2.0 ms
[U7C] Contact Input 14 Events	Enabled
[U8A] Contact Input 15 ID	Cont Ip 15
[U8A] Contact Input 15 Debounce Time	2.0 ms
[U8A] Contact Input 15 Events	Enabled
[U8C] Contact Input 16 ID	Cont Ip 16

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT INPUTS (continued from last page)

[U8C] Contact Input 16 Debounce Time	2.0 ms
[U8C] Contact Input 16 Events	Enabled
[W1A] Contact Input 17 ID	CTRL HAB 79
[W1A] Contact Input 17 Debounce Time	2.0 ms
[W1A] Contact Input 17 Events	Enabled
[W1C] Contact Input 18 ID	CTRL DES 79
[W1C] Contact Input 18 Debounce Time	2.0 ms
[W1C] Contact Input 18 Events	Enabled
[W2A] Contact Input 19 ID	52B3 CE MAN
[W2A] Contact Input 19 Debounce Time	2.0 ms
[W2A] Contact Input 19 Events	Enabled
[W2C] Contact Input 20 ID	OP 21S1 Z1
[W2C] Contact Input 20 Debounce Time	2.0 ms
[W2C] Contact Input 20 Events	Enabled
[W3A] Contact Input 21 ID	OP 21S1 Z2
[W3A] Contact Input 21 Debounce Time	2.0 ms
[W3A] Contact Input 21 Events	Enabled
[W3C] Contact Input 22 ID	OP 21S1 Z3
[W3C] Contact Input 22 Debounce Time	2.0 ms
[W3C] Contact Input 22 Events	Enabled
[W4A] Contact Input 23 ID	OP 21S1 Z4
[W4A] Contact Input 23 Debounce Time	2.0 ms
[W4A] Contact Input 23 Events	Enabled
[W4C] Contact Input 24 ID	Cont Ip 24
[W4C] Contact Input 24 Debounce Time	2.0 ms
[W4C] Contact Input 24 Events	Enabled
[W5A] Contact Input 25 ID	P.EXT. 79 S1
[W5A] Contact Input 25 Debounce Time	2.0 ms
[W5A] Contact Input 25 Events	Enabled
[W5C] Contact Input 26 ID	Cont Ip 26
[W5C] Contact Input 26 Debounce Time	2.0 ms
[W5C] Contact Input 26 Events	Enabled
[W6A] Contact Input 27 ID	OP 79 SIST.1
[W6A] Contact Input 27 Debounce Time	2.0 ms
[W6A] Contact Input 27 Events	Enabled
[W6C] Contact Input 28 ID	21S1 FALLA
[W6C] Contact Input 28 Debounce Time	2.0 ms
[W6C] Contact Input 28 Events	Enabled
[W7A] Contact Input 29 ID	Cont Ip 29
[W7A] Contact Input 29 Debounce Time	2.0 ms
[W7A] Contact Input 29 Events	Enabled
[W7C] Contact Input 30 ID	FA T/P S2
[W7C] Contact Input 30 Debounce Time	2.0 ms
[W7C] Contact Input 30 Events	Enabled
[W8A] Contact Input 31 ID	BP CONECTADO
[W8A] Contact Input 31 Debounce Time	2.0 ms
[W8A] Contact Input 31 Events	Enabled
[W8C] Contact Input 32 ID	79 S1 HABIL
[W8C] Contact Input 32 Debounce Time	2.0 ms
[W8C] Contact Input 32 Events	Enabled

CONTACT INPUT THRESHOLDS

52B3 AB, Cont Ip 2, Cont Ip 3, 52B3 CE(H7a, H7c, H8a, H8c)	84 Vdc
RX 85A, RX 85C, GRP AJUSTE 1, GRP AJUSTE 2(M7a, M7c, M8a, M8c)	84 Vdc
P.EXT.50BF-A, P.EXT.50BF-B, P.EXT.50BF-C, RX TRIP REM(P7a, P7c, P8a)	84 Vdc
S79 S1 ON, S79 S2 ON, Cont Ip 15, Cont Ip 16(U7a, U7c, U8a, U8c)	84 Vdc
CTRL HAB 79, CTRL DES 79, 52B3 CE MAN, OP 21S1 Z1(W1a, W1c, W2a, W2c)	84 Vdc
OP 21S1 Z2, OP 21S1 Z3, OP 21S1 Z4, Cont Ip 24(W3a, W3c, W4a, W4c)	84 Vdc
P.EXT. 79 S1, Cont Ip 26, OP 79 SIST.1, 21S1 FALLA(W5a, W5c, W6a, W6c)	84 Vdc
Cont Ip 29, FA T/P S2, BP CONECTADO, 79 S1 HABIL(W7a, W7c, W8a, W8c)	84 Vdc

VIRTUAL INPUTS

VIRTUAL INPUTS

Virtual Input 1 Function	Disabled
Virtual Input 1 ID	Virt Ip 1
Virtual Input 1 Type	Latched
Virtual Input 1 Events	Disabled
Virtual Input 2 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 2 ID	Virt Ip 2
Virtual Input 2 Type	Latched
Virtual Input 2 Events	Disabled
Virtual Input 3 Function	Disabled
Virtual Input 3 ID	Virt Ip 3
Virtual Input 3 Type	Latched
Virtual Input 3 Events	Disabled
Virtual Input 4 Function	Disabled
Virtual Input 4 ID	Virt Ip 4
Virtual Input 4 Type	Latched
Virtual Input 4 Events	Disabled
Virtual Input 5 Function	Disabled
Virtual Input 5 ID	Virt Ip 5
Virtual Input 5 Type	Latched
Virtual Input 5 Events	Disabled
Virtual Input 6 Function	Disabled
Virtual Input 6 ID	Virt Ip 6
Virtual Input 6 Type	Latched
Virtual Input 6 Events	Disabled
Virtual Input 7 Function	Disabled
Virtual Input 7 ID	Virt Ip 7
Virtual Input 7 Type	Latched
Virtual Input 7 Events	Disabled
Virtual Input 8 Function	Disabled
Virtual Input 8 ID	Virt Ip 8
Virtual Input 8 Type	Latched
Virtual Input 8 Events	Disabled
Virtual Input 9 Function	Disabled
Virtual Input 9 ID	Virt Ip 9
Virtual Input 9 Type	Latched
Virtual Input 9 Events	Disabled
Virtual Input 10 Function	Disabled
Virtual Input 10 ID	Virt Ip 10
Virtual Input 10 Type	Latched
Virtual Input 10 Events	Disabled
Virtual Input 11 Function	Disabled
Virtual Input 11 ID	Virt Ip 11
Virtual Input 11 Type	Latched
Virtual Input 11 Events	Disabled
Virtual Input 12 Function	Disabled
Virtual Input 12 ID	Virt Ip 12
Virtual Input 12 Type	Latched
Virtual Input 12 Events	Disabled
Virtual Input 13 Function	Disabled
Virtual Input 13 ID	Virt Ip 13
Virtual Input 13 Type	Latched
Virtual Input 13 Events	Disabled
Virtual Input 14 Function	Disabled
Virtual Input 14 ID	Virt Ip 14
Virtual Input 14 Type	Latched
Virtual Input 14 Events	Disabled
Virtual Input 15 Function	Disabled
Virtual Input 15 ID	Virt Ip 15
Virtual Input 15 Type	Latched
Virtual Input 15 Events	Disabled
Virtual Input 16 Function	Disabled
Virtual Input 16 ID	Virt Ip 16
Virtual Input 16 Type	Latched
Virtual Input 16 Events	Disabled
Virtual Input 17 Function	Disabled
Virtual Input 17 ID	Virt Ip 17
Virtual Input 17 Type	Latched
Virtual Input 17 Events	Disabled
Virtual Input 18 Function	Disabled
Virtual Input 18 ID	Virt Ip 18
Virtual Input 18 Type	Latched
Virtual Input 18 Events	Disabled
Virtual Input 19 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 19 ID	Virt Ip 19
Virtual Input 19 Type	Latched
Virtual Input 19 Events	Disabled
Virtual Input 20 Function	Disabled
Virtual Input 20 ID	Virt Ip 20
Virtual Input 20 Type	Latched
Virtual Input 20 Events	Disabled
Virtual Input 21 Function	Disabled
Virtual Input 21 ID	Virt Ip 21
Virtual Input 21 Type	Latched
Virtual Input 21 Events	Disabled
Virtual Input 22 Function	Disabled
Virtual Input 22 ID	Virt Ip 22
Virtual Input 22 Type	Latched
Virtual Input 22 Events	Disabled
Virtual Input 23 Function	Disabled
Virtual Input 23 ID	Virt Ip 23
Virtual Input 23 Type	Latched
Virtual Input 23 Events	Disabled
Virtual Input 24 Function	Disabled
Virtual Input 24 ID	Virt Ip 24
Virtual Input 24 Type	Latched
Virtual Input 24 Events	Disabled
Virtual Input 25 Function	Disabled
Virtual Input 25 ID	Virt Ip 25
Virtual Input 25 Type	Latched
Virtual Input 25 Events	Disabled
Virtual Input 26 Function	Disabled
Virtual Input 26 ID	Virt Ip 26
Virtual Input 26 Type	Latched
Virtual Input 26 Events	Disabled
Virtual Input 27 Function	Disabled
Virtual Input 27 ID	Virt Ip 27
Virtual Input 27 Type	Latched
Virtual Input 27 Events	Disabled
Virtual Input 28 Function	Disabled
Virtual Input 28 ID	Virt Ip 28
Virtual Input 28 Type	Latched
Virtual Input 28 Events	Disabled
Virtual Input 29 Function	Disabled
Virtual Input 29 ID	Virt Ip 29
Virtual Input 29 Type	Latched
Virtual Input 29 Events	Disabled
Virtual Input 30 Function	Disabled
Virtual Input 30 ID	Virt Ip 30
Virtual Input 30 Type	Latched
Virtual Input 30 Events	Disabled
Virtual Input 31 Function	Disabled
Virtual Input 31 ID	Virt Ip 31
Virtual Input 31 Type	Latched
Virtual Input 31 Events	Disabled
Virtual Input 32 Function	Disabled
Virtual Input 32 ID	Virt Ip 32
Virtual Input 32 Type	Latched
Virtual Input 32 Events	Disabled
Virtual Input 33 Function	Disabled
Virtual Input 33 ID	Virt Ip 33
Virtual Input 33 Type	Latched
Virtual Input 33 Events	Disabled
Virtual Input 34 Function	Disabled
Virtual Input 34 ID	Virt Ip 34
Virtual Input 34 Type	Latched
Virtual Input 34 Events	Disabled
Virtual Input 35 Function	Disabled
Virtual Input 35 ID	Virt Ip 35
Virtual Input 35 Type	Latched
Virtual Input 35 Events	Disabled
Virtual Input 36 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 36 ID	Virt Ip 36
Virtual Input 36 Type	Latched
Virtual Input 36 Events	Disabled
Virtual Input 37 Function	Disabled
Virtual Input 37 ID	Virt Ip 37
Virtual Input 37 Type	Latched
Virtual Input 37 Events	Disabled
Virtual Input 38 Function	Disabled
Virtual Input 38 ID	Virt Ip 38
Virtual Input 38 Type	Latched
Virtual Input 38 Events	Disabled
Virtual Input 39 Function	Disabled
Virtual Input 39 ID	Virt Ip 39
Virtual Input 39 Type	Latched
Virtual Input 39 Events	Disabled
Virtual Input 40 Function	Disabled
Virtual Input 40 ID	Virt Ip 40
Virtual Input 40 Type	Latched
Virtual Input 40 Events	Disabled
Virtual Input 41 Function	Disabled
Virtual Input 41 ID	Virt Ip 41
Virtual Input 41 Type	Latched
Virtual Input 41 Events	Disabled
Virtual Input 42 Function	Disabled
Virtual Input 42 ID	Virt Ip 42
Virtual Input 42 Type	Latched
Virtual Input 42 Events	Disabled
Virtual Input 43 Function	Disabled
Virtual Input 43 ID	Virt Ip 43
Virtual Input 43 Type	Latched
Virtual Input 43 Events	Disabled
Virtual Input 44 Function	Disabled
Virtual Input 44 ID	Virt Ip 44
Virtual Input 44 Type	Latched
Virtual Input 44 Events	Disabled
Virtual Input 45 Function	Disabled
Virtual Input 45 ID	Virt Ip 45
Virtual Input 45 Type	Latched
Virtual Input 45 Events	Disabled
Virtual Input 46 Function	Disabled
Virtual Input 46 ID	Virt Ip 46
Virtual Input 46 Type	Latched
Virtual Input 46 Events	Disabled
Virtual Input 47 Function	Disabled
Virtual Input 47 ID	Virt Ip 47
Virtual Input 47 Type	Latched
Virtual Input 47 Events	Disabled
Virtual Input 48 Function	Disabled
Virtual Input 48 ID	Virt Ip 48
Virtual Input 48 Type	Latched
Virtual Input 48 Events	Disabled
Virtual Input 49 Function	Disabled
Virtual Input 49 ID	Virt Ip 49
Virtual Input 49 Type	Latched
Virtual Input 49 Events	Disabled
Virtual Input 50 Function	Disabled
Virtual Input 50 ID	Virt Ip 50
Virtual Input 50 Type	Latched
Virtual Input 50 Events	Disabled
Virtual Input 51 Function	Disabled
Virtual Input 51 ID	Virt Ip 51
Virtual Input 51 Type	Latched
Virtual Input 51 Events	Disabled
Virtual Input 52 Function	Disabled
Virtual Input 52 ID	Virt Ip 52
Virtual Input 52 Type	Latched
Virtual Input 52 Events	Disabled
Virtual Input 53 Function	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

Virtual Input 53 ID	Virt Ip 53
Virtual Input 53 Type	Latched
Virtual Input 53 Events	Disabled
Virtual Input 54 Function	Disabled
Virtual Input 54 ID	Virt Ip 54
Virtual Input 54 Type	Latched
Virtual Input 54 Events	Disabled
Virtual Input 55 Function	Disabled
Virtual Input 55 ID	Virt Ip 55
Virtual Input 55 Type	Latched
Virtual Input 55 Events	Disabled
Virtual Input 56 Function	Disabled
Virtual Input 56 ID	Virt Ip 56
Virtual Input 56 Type	Latched
Virtual Input 56 Events	Disabled
Virtual Input 57 Function	Disabled
Virtual Input 57 ID	Virt Ip 57
Virtual Input 57 Type	Latched
Virtual Input 57 Events	Disabled
Virtual Input 58 Function	Disabled
Virtual Input 58 ID	Virt Ip 58
Virtual Input 58 Type	Latched
Virtual Input 58 Events	Disabled
Virtual Input 59 Function	Disabled
Virtual Input 59 ID	Virt Ip 59
Virtual Input 59 Type	Latched
Virtual Input 59 Events	Disabled
Virtual Input 60 Function	Disabled
Virtual Input 60 ID	Virt Ip 60
Virtual Input 60 Type	Latched
Virtual Input 60 Events	Disabled
Virtual Input 61 Function	Disabled
Virtual Input 61 ID	Virt Ip 61
Virtual Input 61 Type	Latched
Virtual Input 61 Events	Disabled
Virtual Input 62 Function	Disabled
Virtual Input 62 ID	Virt Ip 62
Virtual Input 62 Type	Latched
Virtual Input 62 Events	Disabled
Virtual Input 63 Function	Disabled
Virtual Input 63 ID	Virt Ip 63
Virtual Input 63 Type	Latched
Virtual Input 63 Events	Disabled
Virtual Input 64 Function	Enabled
Virtual Input 64 ID	RST COUNTERS
Virtual Input 64 Type	Self-Reset
Virtual Input 64 Events	Enabled

CONTACT OUTPUTS

[H1] Contact Output 1 ID	TRIP1 52B3-A
[H1] Contact Output 1 Operate	TRIP PHASE A
[H1] Contact Output 1 Seal-In	TRIP1 52B3-A IO n (H1)
[H1] Contact Output 1 Events	Enabled
[H2] Contact Output 2 ID	TRIP1 52B3-B
[H2] Contact Output 2 Operate	TRIP PHASE B
[H2] Contact Output 2 Seal-In	TRIP1 52B3-B IO n (H2)
[H2] Contact Output 2 Events	Enabled
[H3] Contact Output 3 ID	TRIP1 52B3-C
[H3] Contact Output 3 Operate	TRIP PHASE C
[H3] Contact Output 3 Seal-In	TRIP1 52B3-C IO n (H3)
[H3] Contact Output 3 Events	Enabled
[H4] Contact Output 4 ID	TRIP2 52B3-A
[H4] Contact Output 4 Operate	TRIP PHASE A
[H4] Contact Output 4 Seal-In	TRIP2 52B3-A IO n (H4)
[H4] Contact Output 4 Events	Enabled
[H5] Contact Output 5 ID	TRIP2 52B3-B
[H5] Contact Output 5 Operate	TRIP PHASE B
[H5] Contact Output 5 Seal-In	TRIP2 52B3-B IO n (H5)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.132.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

[H5] Contact Output 5 Events	Enabled
[H6] Contact Output 6 ID	TRIP2 52B3-C
[H6] Contact Output 6 Operate	TRIP PHASE C
[H6] Contact Output 6 Seal-In	TRIP2 52B3-C IO n (H6)
[H6] Contact Output 6 Events	Enabled
[M1] Contact Output 7 ID	TX 85D-A
[M1] Contact Output 7 Operate	TRIP PHASE A
[M1] Contact Output 7 Seal-In	OFF
[M1] Contact Output 7 Events	Enabled
[M2] Contact Output 8 ID	TX 85D-B
[M2] Contact Output 8 Operate	TRIP PHASE B
[M2] Contact Output 8 Seal-In	OFF
[M2] Contact Output 8 Events	Enabled
[M3] Contact Output 9 ID	TX 85D-C
[M3] Contact Output 9 Operate	TRIP PHASE C
[M3] Contact Output 9 Seal-In	OFF
[M3] Contact Output 9 Events	Enabled
[M4] Contact Output 10 ID	TX 85A/C
[M4] Contact Output 10 Operate	TX 85A/C On (VO27)
[M4] Contact Output 10 Seal-In	OFF
[M4] Contact Output 10 Events	Enabled
[M5] Contact Output 11 ID	79 21S2 DESH
[M5] Contact Output 11 Operate	AR DISABLED
[M5] Contact Output 11 Seal-In	OFF
[M5] Contact Output 11 Events	Enabled
[M6] Contact Output 12 ID	RESET 21S1
[M6] Contact Output 12 Operate	RST DEVICE On (VO26)
[M6] Contact Output 12 Seal-In	OFF
[M6] Contact Output 12 Events	Enabled
[P1] Contact Output 13 ID	CE 52B3 x79
[P1] Contact Output 13 Operate	CLOSE PROT. On (VO10)
[P1] Contact Output 13 Seal-In	CE 52B3 x79 IO n (P1)
[P1] Contact Output 13 Events	Enabled
[P2] Contact Output 14 ID	TX 79DD
[P2] Contact Output 14 Operate	CLOSE PROT. On (VO10)
[P2] Contact Output 14 Seal-In	OFF
[P2] Contact Output 14 Events	Enabled
[P3] Contact Output 15 ID	OP REC 21S2
[P3] Contact Output 15 Operate	CLOSE PROT. On (VO10)
[P3] Contact Output 15 Seal-In	OFF
[P3] Contact Output 15 Events	Enabled
[P4] Contact Output 16 ID	OP 50BF
[P4] Contact Output 16 Operate	BKR FAIL 1 TRIP OP
[P4] Contact Output 16 Seal-In	OFF
[P4] Contact Output 16 Events	Enabled
[P5] Contact Output 17 ID	AL OP 50BF
[P5] Contact Output 17 Operate	BKR FAIL 1 TRIP OP
[P5] Contact Output 17 Seal-In	OFF
[P5] Contact Output 17 Events	Enabled
[P6] Contact Output 18 ID	PART 79 > S1
[P6] Contact Output 18 Operate	TRIPBUS 2 OP
[P6] Contact Output 18 Seal-In	OFF
[P6] Contact Output 18 Events	Enabled
[U1] Contact Output 19 ID	Cont Op 19
[U1] Contact Output 19 Operate	OFF
[U1] Contact Output 19 Seal-In	OFF
[U1] Contact Output 19 Events	Enabled
[U2] Contact Output 20 ID	AL OP PROT
[U2] Contact Output 20 Operate	TRIP PROT. On (VO9)
[U2] Contact Output 20 Seal-In	OFF
[U2] Contact Output 20 Events	Enabled
[U3] Contact Output 21 ID	AL OP RECONX
[U3] Contact Output 21 Operate	CLOSE PROT. On (VO10)
[U3] Contact Output 21 Seal-In	OFF
[U3] Contact Output 21 Events	Enabled
[U4] Contact Output 22 ID	Cont Op 22
[U4] Contact Output 22 Operate	OFF
[U4] Contact Output 22 Seal-In	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

[U4] Contact Output 22 Events	Enabled
[U5] Contact Output 23 ID	79 21S2 HAB
[U5] Contact Output 23 Operate	AR ENABLED
[U5] Contact Output 23 Seal-In	OFF
[U5] Contact Output 23 Events	Enabled
[U6] Contact Output 24 ID	AL OP PROT
[U6] Contact Output 24 Operate	TRIP PROT. On (VO9)
[U6] Contact Output 24 Seal-In	OFF
[U6] Contact Output 24 Events	Enabled

VIRTUAL OUTPUTS

Virtual Output 1 ID	PART 50BF-A
Virtual Output 1 Events	Enabled
Virtual Output 2 ID	PART 50BF-B
Virtual Output 2 Events	Enabled
Virtual Output 3 ID	PART 50BF-C
Virtual Output 3 Events	Enabled
Virtual Output 4 ID	PART 50BF 3P
Virtual Output 4 Events	Enabled
Virtual Output 5 ID	PART 79 3P
Virtual Output 5 Events	Enabled
Virtual Output 6 ID	BLOCK 79
Virtual Output 6 Events	Enabled
Virtual Output 7 ID	CE MAN 52B3
Virtual Output 7 Events	Enabled
Virtual Output 8 ID	Virt Op 8
Virtual Output 8 Events	Enabled
Virtual Output 9 ID	TRIP PROT.
Virtual Output 9 Events	Disabled
Virtual Output 10 ID	CLOSE PROT.
Virtual Output 10 Events	Disabled
Virtual Output 11 ID	TDD PROT.
Virtual Output 11 Events	Disabled
Virtual Output 12 ID	PKP PROT.
Virtual Output 12 Events	Disabled
Virtual Output 13 ID	OSCILOGRAFIA
Virtual Output 13 Events	Disabled
Virtual Output 14 ID	SCA OP 21 Z1
Virtual Output 14 Events	Enabled
Virtual Output 15 ID	SCA OP 21 Z2
Virtual Output 15 Events	Enabled
Virtual Output 16 ID	SCA OP 21 Z3
Virtual Output 16 Events	Enabled
Virtual Output 17 ID	SCA OP 21 Z4
Virtual Output 17 Events	Enabled
Virtual Output 18 ID	SCA OP 21 Z5
Virtual Output 18 Events	Enabled
Virtual Output 19 ID	SCA OP 51P
Virtual Output 19 Events	Enabled
Virtual Output 20 ID	SCA OP 51N
Virtual Output 20 Events	Enabled
Virtual Output 21 ID	SCA OP LINE
Virtual Output 21 Events	Enabled
Virtual Output 22 ID	BLOCK SOTF
Virtual Output 22 Events	Enabled
Virtual Output 23 ID	HAB 79 VO23
Virtual Output 23 Events	Enabled
Virtual Output 24 ID	DES 79 VO24
Virtual Output 24 Events	Enabled
Virtual Output 25 ID	DES/HAB 79
Virtual Output 25 Events	Enabled
Virtual Output 26 ID	RST DEVICE
Virtual Output 26 Events	Enabled
Virtual Output 27 ID	TX 85A/C
Virtual Output 27 Events	Disabled
Virtual Output 28 ID	79 RIP
Virtual Output 28 Events	Disabled
Virtual Output 29 ID	Virt Op 29

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

Virtual Output 29 Events	Disabled
Virtual Output 30 ID	TRIP FAULT R
Virtual Output 30 Events	Disabled
Virtual Output 31 ID	PEXT 79S1 OK
Virtual Output 31 Events	Enabled
Virtual Output 32 ID	Virt Op 32
Virtual Output 32 Events	Disabled
Virtual Output 33 ID	SCA OP 50BF
Virtual Output 33 Events	Enabled
Virtual Output 34 ID	SCA OP 79 S2
Virtual Output 34 Events	Enabled
Virtual Output 35 ID	SCA OP 79 B3
Virtual Output 35 Events	Enabled
Virtual Output 36 ID	SCA FAULT R
Virtual Output 36 Events	Enabled
Virtual Output 37 ID	SCA ANY B3
Virtual Output 37 Events	Enabled
Virtual Output 38 ID	SCA OP 46
Virtual Output 38 Events	Enabled
Virtual Output 39 ID	SCA CUT LINE
Virtual Output 39 Events	Enabled
Virtual Output 40 ID	SC AP B3 Rx
Virtual Output 40 Events	Enabled
Virtual Output 41 ID	OP 21S1 Z1
Virtual Output 41 Events	Enabled
Virtual Output 42 ID	OP 21S1 Z2
Virtual Output 42 Events	Enabled
Virtual Output 43 ID	OP 21S1 Z3
Virtual Output 43 Events	Enabled
Virtual Output 44 ID	OP 21S1 Z4
Virtual Output 44 Events	Enabled
Virtual Output 45 ID	OP 79 SIST.1
Virtual Output 45 Events	Enabled
Virtual Output 46 ID	PH DIR1 BLKA
Virtual Output 46 Events	Enabled
Virtual Output 47 ID	PH DIR1 BLKB
Virtual Output 47 Events	Enabled
Virtual Output 48 ID	PH DIR1 BLKC
Virtual Output 48 Events	Enabled
Virtual Output 49 ID	Virt Op 49
Virtual Output 49 Events	Disabled
Virtual Output 50 ID	Virt Op 50
Virtual Output 50 Events	Disabled
Virtual Output 51 ID	Virt Op 51
Virtual Output 51 Events	Disabled
Virtual Output 52 ID	Virt Op 52
Virtual Output 52 Events	Disabled
Virtual Output 53 ID	Virt Op 53
Virtual Output 53 Events	Disabled
Virtual Output 54 ID	Virt Op 54
Virtual Output 54 Events	Disabled
Virtual Output 55 ID	Virt Op 55
Virtual Output 55 Events	Disabled
Virtual Output 56 ID	Virt Op 56
Virtual Output 56 Events	Disabled
Virtual Output 57 ID	Virt Op 57
Virtual Output 57 Events	Disabled
Virtual Output 58 ID	Virt Op 58
Virtual Output 58 Events	Disabled
Virtual Output 59 ID	Virt Op 59
Virtual Output 59 Events	Disabled
Virtual Output 60 ID	Virt Op 60
Virtual Output 60 Events	Disabled
Virtual Output 61 ID	Virt Op 61
Virtual Output 61 Events	Disabled
Virtual Output 62 ID	Virt Op 62
Virtual Output 62 Events	Disabled
Virtual Output 63 ID	Virt Op 63

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

Virtual Output 63 Events	Disabled
Virtual Output 64 ID	Osc Trigger
Virtual Output 64 Events	Enabled
Virtual Output 65 ID	Virt Op 65
Virtual Output 65 Events	Disabled
Virtual Output 66 ID	Virt Op 66
Virtual Output 66 Events	Disabled
Virtual Output 67 ID	Virt Op 67
Virtual Output 67 Events	Disabled
Virtual Output 68 ID	Virt Op 68
Virtual Output 68 Events	Disabled
Virtual Output 69 ID	Virt Op 69
Virtual Output 69 Events	Disabled
Virtual Output 70 ID	Virt Op 70
Virtual Output 70 Events	Disabled
Virtual Output 71 ID	Virt Op 71
Virtual Output 71 Events	Disabled
Virtual Output 72 ID	Virt Op 72
Virtual Output 72 Events	Disabled
Virtual Output 73 ID	Virt Op 73
Virtual Output 73 Events	Disabled
Virtual Output 74 ID	Virt Op 74
Virtual Output 74 Events	Disabled
Virtual Output 75 ID	Virt Op 75
Virtual Output 75 Events	Disabled
Virtual Output 76 ID	Virt Op 76
Virtual Output 76 Events	Disabled
Virtual Output 77 ID	Virt Op 77
Virtual Output 77 Events	Disabled
Virtual Output 78 ID	Virt Op 78
Virtual Output 78 Events	Disabled
Virtual Output 79 ID	Virt Op 79
Virtual Output 79 Events	Disabled
Virtual Output 80 ID	Virt Op 80
Virtual Output 80 Events	Disabled
Virtual Output 81 ID	Virt Op 81
Virtual Output 81 Events	Disabled
Virtual Output 82 ID	Virt Op 82
Virtual Output 82 Events	Disabled
Virtual Output 83 ID	Virt Op 83
Virtual Output 83 Events	Disabled
Virtual Output 84 ID	Virt Op 84
Virtual Output 84 Events	Disabled
Virtual Output 85 ID	Virt Op 85
Virtual Output 85 Events	Disabled
Virtual Output 86 ID	Virt Op 86
Virtual Output 86 Events	Disabled
Virtual Output 87 ID	Virt Op 87
Virtual Output 87 Events	Disabled
Virtual Output 88 ID	Virt Op 88
Virtual Output 88 Events	Disabled
Virtual Output 89 ID	Virt Op 89
Virtual Output 89 Events	Disabled
Virtual Output 90 ID	Virt Op 90
Virtual Output 90 Events	Disabled
Virtual Output 91 ID	Virt Op 91
Virtual Output 91 Events	Disabled
Virtual Output 92 ID	Virt Op 92
Virtual Output 92 Events	Disabled
Virtual Output 93 ID	Virt Op 93
Virtual Output 93 Events	Disabled
Virtual Output 94 ID	Virt Op 94
Virtual Output 94 Events	Disabled
Virtual Output 95 ID	Virt Op 95
Virtual Output 95 Events	Disabled
Virtual Output 96 ID	Virt Op 96
Virtual Output 96 Events	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE DEVICES

Remote Device 1 ID	EML-PAR-87B-B30
Remote Device 1 ETYPE APPID	0
Remote Device 1 DATASET	Fixed
Remote Device 2 ID	PARI_C30_3
Remote Device 2 ETYPE APPID	0
Remote Device 2 DATASET	Fixed
Remote Device 3 ID	PARI_C30_4
Remote Device 3 ETYPE APPID	0
Remote Device 3 DATASET	Fixed
Remote Device 4 ID	EML-PAR-B3-21S1-D90
Remote Device 4 ETYPE APPID	0
Remote Device 4 DATASET	Fixed
Remote Device 5 ID	Remote Device 5
Remote Device 5 ETYPE APPID	0
Remote Device 5 DATASET	Fixed
Remote Device 6 ID	Remote Device 6
Remote Device 6 ETYPE APPID	0
Remote Device 6 DATASET	Fixed
Remote Device 7 ID	Remote Device 7
Remote Device 7 ETYPE APPID	0
Remote Device 7 DATASET	Fixed
Remote Device 8 ID	Remote Device 8
Remote Device 8 ETYPE APPID	0
Remote Device 8 DATASET	Fixed
Remote Device 9 ID	Remote Device 9
Remote Device 9 ETYPE APPID	0
Remote Device 9 DATASET	Fixed
Remote Device 10 ID	Remote Device 10
Remote Device 10 ETYPE APPID	0
Remote Device 10 DATASET	Fixed
Remote Device 11 ID	Remote Device 11
Remote Device 11 ETYPE APPID	0
Remote Device 11 DATASET	Fixed
Remote Device 12 ID	Remote Device 12
Remote Device 12 ETYPE APPID	0
Remote Device 12 DATASET	Fixed
Remote Device 13 ID	Remote Device 13
Remote Device 13 ETYPE APPID	0
Remote Device 13 DATASET	Fixed
Remote Device 14 ID	Remote Device 14
Remote Device 14 ETYPE APPID	0
Remote Device 14 DATASET	Fixed
Remote Device 15 ID	Remote Device 15
Remote Device 15 ETYPE APPID	0
Remote Device 15 DATASET	Fixed
Remote Device 16 ID	Remote Device 16
Remote Device 16 ETYPE APPID	0
Remote Device 16 DATASET	Fixed

REMOTE INPUTS

Remote Input 1 Name	52B3-AL-SF6
Remote Input 1 Device	PARI_C30_3
Remote Input 1 Item	UserSt-5
Remote Input 1 Default State	Off
Remote Input 1 Events	Enabled
Remote Input 2 Name	52B3-RS-DES
Remote Input 2 Device	PARI_C30_3
Remote Input 2 Item	UserSt-6
Remote Input 2 Default State	Off
Remote Input 2 Events	Enabled
Remote Input 3 Name	52B3-B1-VCC
Remote Input 3 Device	PARI_C30_3
Remote Input 3 Item	UserSt-7
Remote Input 3 Default State	Off
Remote Input 3 Events	Enabled
Remote Input 4 Name	52B3-B2-VCC
Remote Input 4 Device	PARI_C30_3
Remote Input 4 Item	UserSt-8

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE INPUTS (continued from last page)

Remote Input 4 Default State	Off
Remote Input 4 Events	Enabled
Remote Input 5 Name	86B3 OP
Remote Input 5 Device	EML-PAR-87B-B30
Remote Input 5 Item	UserSt-5
Remote Input 5 Default State	Off
Remote Input 5 Events	Enabled
Remote Input 6 Name	Rx TRIP B3
Remote Input 6 Device	PARI_C30_4
Remote Input 6 Item	UserSt-3
Remote Input 6 Default State	Off
Remote Input 6 Events	Enabled
Remote Input 7 Name	TRIP 21S1
Remote Input 7 Device	EML-PAR-B3-21S1-D90
Remote Input 7 Item	DNA-1
Remote Input 7 Default State	Off
Remote Input 7 Events	Enabled
Remote Input 8 Name	Rem Ip 8
Remote Input 8 Device	EML-PAR-87B-B30
Remote Input 8 Item	None
Remote Input 8 Default State	Off
Remote Input 8 Events	Disabled
Remote Input 9 Name	Rem Ip 9
Remote Input 9 Device	EML-PAR-87B-B30
Remote Input 9 Item	None
Remote Input 9 Default State	Off
Remote Input 9 Events	Disabled
Remote Input 10 Name	Rem Ip 10
Remote Input 10 Device	EML-PAR-87B-B30
Remote Input 10 Item	None
Remote Input 10 Default State	Off
Remote Input 10 Events	Disabled
Remote Input 11 Name	Rem Ip 11
Remote Input 11 Device	EML-PAR-87B-B30
Remote Input 11 Item	None
Remote Input 11 Default State	Off
Remote Input 11 Events	Disabled
Remote Input 12 Name	Rem Ip 12
Remote Input 12 Device	EML-PAR-87B-B30
Remote Input 12 Item	None
Remote Input 12 Default State	Off
Remote Input 12 Events	Disabled
Remote Input 13 Name	Rem Ip 13
Remote Input 13 Device	EML-PAR-87B-B30
Remote Input 13 Item	None
Remote Input 13 Default State	Off
Remote Input 13 Events	Disabled
Remote Input 14 Name	Rem Ip 14
Remote Input 14 Device	EML-PAR-87B-B30
Remote Input 14 Item	None
Remote Input 14 Default State	Off
Remote Input 14 Events	Disabled
Remote Input 15 Name	Rem Ip 15
Remote Input 15 Device	EML-PAR-87B-B30
Remote Input 15 Item	None
Remote Input 15 Default State	Off
Remote Input 15 Events	Disabled
Remote Input 16 Name	Rem Ip 16
Remote Input 16 Device	EML-PAR-87B-B30
Remote Input 16 Item	None
Remote Input 16 Default State	Off
Remote Input 16 Events	Disabled
Remote Input 17 Name	Rem Ip 17
Remote Input 17 Device	EML-PAR-87B-B30
Remote Input 17 Item	None
Remote Input 17 Default State	Off
Remote Input 17 Events	Disabled
Remote Input 18 Name	Rem Ip 18

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE INPUTS (continued from last page)

Remote Input 18 Device	EML-PAR-87B-B30
Remote Input 18 Item	None
Remote Input 18 Default State	Off
Remote Input 18 Events	Disabled
Remote Input 19 Name	Rem Ip 19
Remote Input 19 Device	EML-PAR-87B-B30
Remote Input 19 Item	None
Remote Input 19 Default State	Off
Remote Input 19 Events	Disabled
Remote Input 20 Name	Rem Ip 20
Remote Input 20 Device	EML-PAR-87B-B30
Remote Input 20 Item	None
Remote Input 20 Default State	Off
Remote Input 20 Events	Disabled
Remote Input 21 Name	Rem Ip 21
Remote Input 21 Device	EML-PAR-87B-B30
Remote Input 21 Item	None
Remote Input 21 Default State	Off
Remote Input 21 Events	Disabled
Remote Input 22 Name	Rem Ip 22
Remote Input 22 Device	EML-PAR-87B-B30
Remote Input 22 Item	None
Remote Input 22 Default State	Off
Remote Input 22 Events	Disabled
Remote Input 23 Name	Rem Ip 23
Remote Input 23 Device	EML-PAR-87B-B30
Remote Input 23 Item	None
Remote Input 23 Default State	Off
Remote Input 23 Events	Disabled
Remote Input 24 Name	Rem Ip 24
Remote Input 24 Device	EML-PAR-87B-B30
Remote Input 24 Item	None
Remote Input 24 Default State	Off
Remote Input 24 Events	Disabled
Remote Input 25 Name	Rem Ip 25
Remote Input 25 Device	EML-PAR-87B-B30
Remote Input 25 Item	None
Remote Input 25 Default State	Off
Remote Input 25 Events	Disabled
Remote Input 26 Name	Rem Ip 26
Remote Input 26 Device	EML-PAR-87B-B30
Remote Input 26 Item	None
Remote Input 26 Default State	Off
Remote Input 26 Events	Disabled
Remote Input 27 Name	Rem Ip 27
Remote Input 27 Device	EML-PAR-87B-B30
Remote Input 27 Item	None
Remote Input 27 Default State	Off
Remote Input 27 Events	Disabled
Remote Input 28 Name	Rem Ip 28
Remote Input 28 Device	EML-PAR-87B-B30
Remote Input 28 Item	None
Remote Input 28 Default State	Off
Remote Input 28 Events	Disabled
Remote Input 29 Name	Rem Ip 29
Remote Input 29 Device	EML-PAR-87B-B30
Remote Input 29 Item	None
Remote Input 29 Default State	Off
Remote Input 29 Events	Disabled
Remote Input 30 Name	Rem Ip 30
Remote Input 30 Device	EML-PAR-87B-B30
Remote Input 30 Item	None
Remote Input 30 Default State	Off
Remote Input 30 Events	Disabled
Remote Input 31 Name	Rem Ip 31
Remote Input 31 Device	EML-PAR-87B-B30
Remote Input 31 Item	None
Remote Input 31 Default State	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE INPUTS (continued from last page)

Remote Input 31 Events	Disabled
Remote Input 32 Name	Rem Ip 32
Remote Input 32 Device	EML-PAR-87B-B30
Remote Input 32 Item	None
Remote Input 32 Default State	Off
Remote Input 32 Events	Disabled

REMOTE DPS INPUTS

Remote DPS Input 1 Name	RemDPS Ip 1
Remote DPS Input 1 Device	EML-PAR-87B-B30
Remote DPS Input 1 Item	None
Remote DPS Input 1 Events	Disabled
Remote DPS Input 2 Name	RemDPS Ip 2
Remote DPS Input 2 Device	EML-PAR-87B-B30
Remote DPS Input 2 Item	None
Remote DPS Input 2 Events	Disabled
Remote DPS Input 3 Name	RemDPS Ip 3
Remote DPS Input 3 Device	EML-PAR-87B-B30
Remote DPS Input 3 Item	None
Remote DPS Input 3 Events	Disabled
Remote DPS Input 4 Name	RemDPS Ip 4
Remote DPS Input 4 Device	EML-PAR-87B-B30
Remote DPS Input 4 Item	None
Remote DPS Input 4 Events	Disabled
Remote DPS Input 5 Name	RemDPS Ip 5
Remote DPS Input 5 Device	EML-PAR-87B-B30
Remote DPS Input 5 Item	None
Remote DPS Input 5 Events	Disabled

REMOTE OUTPUTS DNA BIT PAIRS

DNA 1: OPERAND	TRIP PROT. On (VO9)
DNA 1: EVENTS	Disabled
DNA 2: OPERAND	OFF
DNA 2: EVENTS	Disabled
DNA 3: OPERAND	OFF
DNA 3: EVENTS	Disabled
DNA 4: OPERAND	OFF
DNA 4: EVENTS	Disabled
DNA 5: OPERAND	OFF
DNA 5: EVENTS	Disabled
DNA 6: OPERAND	OFF
DNA 6: EVENTS	Disabled
DNA 7: OPERAND	OFF
DNA 7: EVENTS	Disabled
DNA 8: OPERAND	OFF
DNA 8: EVENTS	Disabled
DNA 9: OPERAND	OFF
DNA 9: EVENTS	Disabled
DNA 10: OPERAND	OFF
DNA 10: EVENTS	Disabled
DNA 11: OPERAND	OFF
DNA 11: EVENTS	Disabled
DNA 12: OPERAND	OFF
DNA 12: EVENTS	Disabled
DNA 13: OPERAND	OFF
DNA 13: EVENTS	Disabled
DNA 14: OPERAND	OFF
DNA 14: EVENTS	Disabled
DNA 15: OPERAND	OFF
DNA 15: EVENTS	Disabled
DNA 16: OPERAND	OFF
DNA 16: EVENTS	Disabled
DNA 17: OPERAND	OFF
DNA 17: EVENTS	Disabled
DNA 18: OPERAND	OFF
DNA 18: EVENTS	Disabled
DNA 19: OPERAND	OFF
DNA 19: EVENTS	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE OUTPUTS DNA BIT PAIRS (continued from last page)

DNA 20: OPERAND	OFF
DNA 20: EVENTS	Disabled
DNA 21: OPERAND	OFF
DNA 21: EVENTS	Disabled
DNA 22: OPERAND	OFF
DNA 22: EVENTS	Disabled
DNA 23: OPERAND	OFF
DNA 23: EVENTS	Disabled
DNA 24: OPERAND	OFF
DNA 24: EVENTS	Disabled
DNA 25: OPERAND	OFF
DNA 25: EVENTS	Disabled
DNA 26: OPERAND	OFF
DNA 26: EVENTS	Disabled
DNA 27: OPERAND	OFF
DNA 27: EVENTS	Disabled
DNA 28: OPERAND	OFF
DNA 28: EVENTS	Disabled
DNA 29: OPERAND	OFF
DNA 29: EVENTS	Disabled
DNA 30: OPERAND	OFF
DNA 30: EVENTS	Disabled
DNA 31: OPERAND	OFF
DNA 31: EVENTS	Disabled
DNA 32: OPERAND	OFF
DNA 32: EVENTS	Disabled

REMOTE OUTPUTS USERST BIT PAIRS

UserSt 1: OPERAND	SCA OP ANY AP(DE1) DPO
UserSt 1: EVENTS	Disabled
UserSt 2: OPERAND	SCA 85C REM AP(DE2) DPO
UserSt 2: EVENTS	Disabled
UserSt 3: OPERAND	OFF
UserSt 3: EVENTS	Disabled
UserSt 4: OPERAND	OFF
UserSt 4: EVENTS	Disabled
UserSt 5: OPERAND	OFF
UserSt 5: EVENTS	Disabled
UserSt 6: OPERAND	OFF
UserSt 6: EVENTS	Disabled
UserSt 7: OPERAND	OFF
UserSt 7: EVENTS	Disabled
UserSt 8: OPERAND	OFF
UserSt 8: EVENTS	Disabled
UserSt 9: OPERAND	OFF
UserSt 9: EVENTS	Disabled
UserSt 10: OPERAND	OFF
UserSt 10: EVENTS	Disabled
UserSt 11: OPERAND	OFF
UserSt 11: EVENTS	Disabled
UserSt 12: OPERAND	OFF
UserSt 12: EVENTS	Disabled
UserSt 13: OPERAND	OFF
UserSt 13: EVENTS	Disabled
UserSt 14: OPERAND	OFF
UserSt 14: EVENTS	Disabled
UserSt 15: OPERAND	OFF
UserSt 15: EVENTS	Disabled
UserSt 16: OPERAND	OFF
UserSt 16: EVENTS	Disabled
UserSt 17: OPERAND	OFF
UserSt 17: EVENTS	Disabled
UserSt 18: OPERAND	OFF
UserSt 18: EVENTS	Disabled
UserSt 19: OPERAND	OFF
UserSt 19: EVENTS	Disabled
UserSt 20: OPERAND	OFF
UserSt 20: EVENTS	Disabled

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE OUTPUTS USERST BIT PAIRS (continued from last page)

UserSt 21: OPERAND	OFF
UserSt 21: EVENTS	Disabled
UserSt 22: OPERAND	OFF
UserSt 22: EVENTS	Disabled
UserSt 23: OPERAND	OFF
UserSt 23: EVENTS	Disabled
UserSt 24: OPERAND	OFF
UserSt 24: EVENTS	Disabled
UserSt 25: OPERAND	OFF
UserSt 25: EVENTS	Disabled
UserSt 26: OPERAND	OFF
UserSt 26: EVENTS	Disabled
UserSt 27: OPERAND	OFF
UserSt 27: EVENTS	Disabled
UserSt 28: OPERAND	OFF
UserSt 28: EVENTS	Disabled
UserSt 29: OPERAND	52B3 AB On(H7a)
UserSt 29: EVENTS	Disabled
UserSt 30: OPERAND	OFF
UserSt 30: EVENTS	Disabled
UserSt 31: OPERAND	OFF
UserSt 31: EVENTS	Disabled
UserSt 32: OPERAND	52B3 CE On(H8c)
UserSt 32: EVENTS	Disabled

RESETTING

Operand	RST DEVICE On (VO26)

IEC 61850 GOOSE ANALOGS INPUTS

IEC61850 GOOSE Analog Input 1 Default Value	1000.000
IEC61850 GOOSE Analog Input 1 Mode	Default Value
IEC61850 GOOSE Analog Input 1 Units	
IEC61850 GOOSE Analog Input 1 PU Base	1.000
IEC61850 GOOSE Analog Input 2 Default Value	1000.000
IEC61850 GOOSE Analog Input 2 Mode	Default Value
IEC61850 GOOSE Analog Input 2 Units	
IEC61850 GOOSE Analog Input 2 PU Base	1.000
IEC61850 GOOSE Analog Input 3 Default Value	1000.000
IEC61850 GOOSE Analog Input 3 Mode	Default Value
IEC61850 GOOSE Analog Input 3 Units	
IEC61850 GOOSE Analog Input 3 PU Base	1.000
IEC61850 GOOSE Analog Input 4 Default Value	1000.000
IEC61850 GOOSE Analog Input 4 Mode	Default Value
IEC61850 GOOSE Analog Input 4 Units	
IEC61850 GOOSE Analog Input 4 PU Base	1.000
IEC61850 GOOSE Analog Input 5 Default Value	1000.000
IEC61850 GOOSE Analog Input 5 Mode	Default Value
IEC61850 GOOSE Analog Input 5 Units	
IEC61850 GOOSE Analog Input 5 PU Base	1.000
IEC61850 GOOSE Analog Input 6 Default Value	1000.000
IEC61850 GOOSE Analog Input 6 Mode	Default Value
IEC61850 GOOSE Analog Input 6 Units	
IEC61850 GOOSE Analog Input 6 PU Base	1.000
IEC61850 GOOSE Analog Input 7 Default Value	1000.000
IEC61850 GOOSE Analog Input 7 Mode	Default Value
IEC61850 GOOSE Analog Input 7 Units	
IEC61850 GOOSE Analog Input 7 PU Base	1.000
IEC61850 GOOSE Analog Input 8 Default Value	1000.000
IEC61850 GOOSE Analog Input 8 Mode	Default Value
IEC61850 GOOSE Analog Input 8 Units	
IEC61850 GOOSE Analog Input 8 PU Base	1.000
IEC61850 GOOSE Analog Input 9 Default Value	1000.000
IEC61850 GOOSE Analog Input 9 Mode	Default Value
IEC61850 GOOSE Analog Input 9 Units	
IEC61850 GOOSE Analog Input 9 PU Base	1.000
IEC61850 GOOSE Analog Input 10 Default Value	1000.000
IEC61850 GOOSE Analog Input 10 Mode	Default Value
IEC61850 GOOSE Analog Input 10 Units	

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

IEC61850 GOOSE Analog Input 10 PU Base	1.000
IEC61850 GOOSE Analog Input 11 Default Value	1000.000
IEC61850 GOOSE Analog Input 11 Mode	Default Value
IEC61850 GOOSE Analog Input 11 Units	
IEC61850 GOOSE Analog Input 11 PU Base	1.000
IEC61850 GOOSE Analog Input 12 Default Value	1000.000
IEC61850 GOOSE Analog Input 12 Mode	Default Value
IEC61850 GOOSE Analog Input 12 Units	
IEC61850 GOOSE Analog Input 12 PU Base	1.000
IEC61850 GOOSE Analog Input 13 Default Value	1000.000
IEC61850 GOOSE Analog Input 13 Mode	Default Value
IEC61850 GOOSE Analog Input 13 Units	
IEC61850 GOOSE Analog Input 13 PU Base	1.000
IEC61850 GOOSE Analog Input 14 Default Value	1000.000
IEC61850 GOOSE Analog Input 14 Mode	Default Value
IEC61850 GOOSE Analog Input 14 Units	
IEC61850 GOOSE Analog Input 14 PU Base	1.000
IEC61850 GOOSE Analog Input 15 Default Value	1000.000
IEC61850 GOOSE Analog Input 15 Mode	Default Value
IEC61850 GOOSE Analog Input 15 Units	
IEC61850 GOOSE Analog Input 15 PU Base	1.000
IEC61850 GOOSE Analog Input 16 Default Value	1000.000
IEC61850 GOOSE Analog Input 16 Mode	Default Value
IEC61850 GOOSE Analog Input 16 Units	
IEC61850 GOOSE Analog Input 16 PU Base	1.000
IEC61850 GOOSE Analog Input 17 Default Value	1000.000
IEC61850 GOOSE Analog Input 17 Mode	Default Value
IEC61850 GOOSE Analog Input 17 Units	
IEC61850 GOOSE Analog Input 17 PU Base	1.000
IEC61850 GOOSE Analog Input 18 Default Value	1000.000
IEC61850 GOOSE Analog Input 18 Mode	Default Value
IEC61850 GOOSE Analog Input 18 Units	
IEC61850 GOOSE Analog Input 18 PU Base	1.000
IEC61850 GOOSE Analog Input 19 Default Value	1000.000
IEC61850 GOOSE Analog Input 19 Mode	Default Value
IEC61850 GOOSE Analog Input 19 Units	
IEC61850 GOOSE Analog Input 19 PU Base	1.000
IEC61850 GOOSE Analog Input 20 Default Value	1000.000
IEC61850 GOOSE Analog Input 20 Mode	Default Value
IEC61850 GOOSE Analog Input 20 Units	
IEC61850 GOOSE Analog Input 20 PU Base	1.000
IEC61850 GOOSE Analog Input 21 Default Value	1000.000
IEC61850 GOOSE Analog Input 21 Mode	Default Value
IEC61850 GOOSE Analog Input 21 Units	
IEC61850 GOOSE Analog Input 21 PU Base	1.000
IEC61850 GOOSE Analog Input 22 Default Value	1000.000
IEC61850 GOOSE Analog Input 22 Mode	Default Value
IEC61850 GOOSE Analog Input 22 Units	
IEC61850 GOOSE Analog Input 22 PU Base	1.000
IEC61850 GOOSE Analog Input 23 Default Value	1000.000
IEC61850 GOOSE Analog Input 23 Mode	Default Value
IEC61850 GOOSE Analog Input 23 Units	
IEC61850 GOOSE Analog Input 23 PU Base	1.000
IEC61850 GOOSE Analog Input 24 Default Value	1000.000
IEC61850 GOOSE Analog Input 24 Mode	Default Value
IEC61850 GOOSE Analog Input 24 Units	
IEC61850 GOOSE Analog Input 24 PU Base	1.000
IEC61850 GOOSE Analog Input 25 Default Value	1000.000
IEC61850 GOOSE Analog Input 25 Mode	Default Value
IEC61850 GOOSE Analog Input 25 Units	
IEC61850 GOOSE Analog Input 25 PU Base	1.000
IEC61850 GOOSE Analog Input 26 Default Value	1000.000
IEC61850 GOOSE Analog Input 26 Mode	Default Value
IEC61850 GOOSE Analog Input 26 Units	
IEC61850 GOOSE Analog Input 26 PU Base	1.000
IEC61850 GOOSE Analog Input 27 Default Value	1000.000
IEC61850 GOOSE Analog Input 27 Mode	Default Value
IEC61850 GOOSE Analog Input 27 Units	

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

IEC61850 GOOSE Analog Input 27 PU Base	1.000
IEC61850 GOOSE Analog Input 28 Default Value	1000.000
IEC61850 GOOSE Analog Input 28 Mode	Default Value
IEC61850 GOOSE Analog Input 28 Units	
IEC61850 GOOSE Analog Input 28 PU Base	1.000
IEC61850 GOOSE Analog Input 29 Default Value	1000.000
IEC61850 GOOSE Analog Input 29 Mode	Default Value
IEC61850 GOOSE Analog Input 29 Units	
IEC61850 GOOSE Analog Input 29 PU Base	1.000
IEC61850 GOOSE Analog Input 30 Default Value	1000.000
IEC61850 GOOSE Analog Input 30 Mode	Default Value
IEC61850 GOOSE Analog Input 30 Units	
IEC61850 GOOSE Analog Input 30 PU Base	1.000
IEC61850 GOOSE Analog Input 31 Default Value	1000.000
IEC61850 GOOSE Analog Input 31 Mode	Default Value
IEC61850 GOOSE Analog Input 31 Units	
IEC61850 GOOSE Analog Input 31 PU Base	1.000
IEC61850 GOOSE Analog Input 32 Default Value	1000.000
IEC61850 GOOSE Analog Input 32 Mode	Default Value
IEC61850 GOOSE Analog Input 32 Units	
IEC61850 GOOSE Analog Input 32 PU Base	1.000

IEC 61850 GOOSE UINTEGERS INPUTS

IEC61850 GOOSE UInteger Input 1 Default Value	1000
IEC61850 GOOSE UInteger Input 1 Mode	Default Value
IEC61850 GOOSE UInteger Input 2 Default Value	1000
IEC61850 GOOSE UInteger Input 2 Mode	Default Value
IEC61850 GOOSE UInteger Input 3 Default Value	1000
IEC61850 GOOSE UInteger Input 3 Mode	Default Value
IEC61850 GOOSE UInteger Input 4 Default Value	1000
IEC61850 GOOSE UInteger Input 4 Mode	Default Value
IEC61850 GOOSE UInteger Input 5 Default Value	1000
IEC61850 GOOSE UInteger Input 5 Mode	Default Value
IEC61850 GOOSE UInteger Input 6 Default Value	1000
IEC61850 GOOSE UInteger Input 6 Mode	Default Value
IEC61850 GOOSE UInteger Input 7 Default Value	1000
IEC61850 GOOSE UInteger Input 7 Mode	Default Value
IEC61850 GOOSE UInteger Input 8 Default Value	1000
IEC61850 GOOSE UInteger Input 8 Mode	Default Value
IEC61850 GOOSE UInteger Input 9 Default Value	1000
IEC61850 GOOSE UInteger Input 9 Mode	Default Value
IEC61850 GOOSE UInteger Input 10 Default Value	1000
IEC61850 GOOSE UInteger Input 10 Mode	Default Value
IEC61850 GOOSE UInteger Input 11 Default Value	1000
IEC61850 GOOSE UInteger Input 11 Mode	Default Value
IEC61850 GOOSE UInteger Input 12 Default Value	1000
IEC61850 GOOSE UInteger Input 12 Mode	Default Value
IEC61850 GOOSE UInteger Input 13 Default Value	1000
IEC61850 GOOSE UInteger Input 13 Mode	Default Value
IEC61850 GOOSE UInteger Input 14 Default Value	1000
IEC61850 GOOSE UInteger Input 14 Mode	Default Value
IEC61850 GOOSE UInteger Input 15 Default Value	1000
IEC61850 GOOSE UInteger Input 15 Mode	Default Value
IEC61850 GOOSE UInteger Input 16 Default Value	1000
IEC61850 GOOSE UInteger Input 16 Mode	Default Value

STATUS

CONTACT INPUTS

H7a	52B3 AB
Status	Off
H7c	Cont Ip 2
Status	Off
H8a	Cont Ip 3
Status	Off
H8c	52B3 CE
Status	On
M7a	RX 85A
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT INPUTS (continued from last page)

M7c	RX 85C
Status	Off
M8a	GRP AJUSTE 1
Status	On
M8c	GRP AJUSTE 2
Status	Off
P7a	P.EXT.50BF-A
Status	Off
P7c	P.EXT.50BF-B
Status	Off
P8a	P.EXT.50BF-C
Status	Off
P8c	RX TRIP REM
Status	Off
U7a	S79 S1 ON
Status	Off
U7c	S79 S2 ON
Status	On
U8a	Cont Ip 15
Status	Off
U8c	Cont Ip 16
Status	Off
W1a	CTRL HAB 79
Status	Off
W1c	CTRL DES 79
Status	On
W2a	52B3 CE MAN
Status	Off
W2c	OP 21S1 Z1
Status	Off
W3a	OP 21S1 Z2
Status	Off
W3c	OP 21S1 Z3
Status	Off
W4a	OP 21S1 Z4
Status	Off
W4c	Cont Ip 24
Status	Off
W5a	P.EXT. 79 S1
Status	Off
W5c	Cont Ip 26
Status	Off
W6a	OP 79 SIST.1
Status	Off
W6c	21S1 FALLA
Status	Off
W7a	Cont Ip 29
Status	Off
W7c	FA T/P S2
Status	Off
W8a	BP CONECTADO
Status	On
W8c	79 S1 HABIL
Status	Off

VIRTUAL INPUTS

VI 1	Virt Ip 1
Status	Off
VI 2	Virt Ip 2
Status	Off
VI 3	Virt Ip 3
Status	Off
VI 4	Virt Ip 4
Status	Off
VI 5	Virt Ip 5
Status	Off
VI 6	Virt Ip 6
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

VI 7	Virt Ip 7
Status	Off
VI 8	Virt Ip 8
Status	Off
VI 9	Virt Ip 9
Status	Off
VI 10	Virt Ip 10
Status	Off
VI 11	Virt Ip 11
Status	Off
VI 12	Virt Ip 12
Status	Off
VI 13	Virt Ip 13
Status	Off
VI 14	Virt Ip 14
Status	Off
VI 15	Virt Ip 15
Status	Off
VI 16	Virt Ip 16
Status	Off
VI 17	Virt Ip 17
Status	Off
VI 18	Virt Ip 18
Status	Off
VI 19	Virt Ip 19
Status	Off
VI 20	Virt Ip 20
Status	Off
VI 21	Virt Ip 21
Status	Off
VI 22	Virt Ip 22
Status	Off
VI 23	Virt Ip 23
Status	Off
VI 24	Virt Ip 24
Status	Off
VI 25	Virt Ip 25
Status	Off
VI 26	Virt Ip 26
Status	Off
VI 27	Virt Ip 27
Status	Off
VI 28	Virt Ip 28
Status	Off
VI 29	Virt Ip 29
Status	Off
VI 30	Virt Ip 30
Status	Off
VI 31	Virt Ip 31
Status	Off
VI 32	Virt Ip 32
Status	Off
VI 33	Virt Ip 33
Status	Off
VI 34	Virt Ip 34
Status	Off
VI 35	Virt Ip 35
Status	Off
VI 36	Virt Ip 36
Status	Off
VI 37	Virt Ip 37
Status	Off
VI 38	Virt Ip 38
Status	Off
VI 39	Virt Ip 39
Status	Off
VI 40	Virt Ip 40
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL INPUTS (continued from last page)

VI 41	Virt Ip 41
Status	Off
VI 42	Virt Ip 42
Status	Off
VI 43	Virt Ip 43
Status	Off
VI 44	Virt Ip 44
Status	Off
VI 45	Virt Ip 45
Status	Off
VI 46	Virt Ip 46
Status	Off
VI 47	Virt Ip 47
Status	Off
VI 48	Virt Ip 48
Status	Off
VI 49	Virt Ip 49
Status	Off
VI 50	Virt Ip 50
Status	Off
VI 51	Virt Ip 51
Status	Off
VI 52	Virt Ip 52
Status	Off
VI 53	Virt Ip 53
Status	Off
VI 54	Virt Ip 54
Status	Off
VI 55	Virt Ip 55
Status	Off
VI 56	Virt Ip 56
Status	Off
VI 57	Virt Ip 57
Status	Off
VI 58	Virt Ip 58
Status	Off
VI 59	Virt Ip 59
Status	Off
VI 60	Virt Ip 60
Status	Off
VI 61	Virt Ip 61
Status	Off
VI 62	Virt Ip 62
Status	Off
VI 63	Virt Ip 63
Status	Off
VI 64	RST COUNTERS
Status	Off

REMOTE INPUTS

Remote Input 1	52B3-AL-SF6
Status	Off
Remote Input 2	52B3-RS-DES
Status	Off
Remote Input 3	52B3-B1-VCC
Status	Off
Remote Input 4	52B3-B2-VCC
Status	Off
Remote Input 5	86B3 OP
Status	Off
Remote Input 6	Rx TRIP B3
Status	Off
Remote Input 7	TRIP 21S1
Status	Off
Remote Input 8	Rem Ip 8
Status	Off
Remote Input 9	Rem Ip 9
Status	Off

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**REMOTE INPUTS (continued from last page)

Remote Input 10	Rem Ip 10
Status	Off
Remote Input 11	Rem Ip 11
Status	Off
Remote Input 12	Rem Ip 12
Status	Off
Remote Input 13	Rem Ip 13
Status	Off
Remote Input 14	Rem Ip 14
Status	Off
Remote Input 15	Rem Ip 15
Status	Off
Remote Input 16	Rem Ip 16
Status	Off
Remote Input 17	Rem Ip 17
Status	Off
Remote Input 18	Rem Ip 18
Status	Off
Remote Input 19	Rem Ip 19
Status	Off
Remote Input 20	Rem Ip 20
Status	Off
Remote Input 21	Rem Ip 21
Status	Off
Remote Input 22	Rem Ip 22
Status	Off
Remote Input 23	Rem Ip 23
Status	Off
Remote Input 24	Rem Ip 24
Status	Off
Remote Input 25	Rem Ip 25
Status	Off
Remote Input 26	Rem Ip 26
Status	Off
Remote Input 27	Rem Ip 27
Status	Off
Remote Input 28	Rem Ip 28
Status	Off
Remote Input 29	Rem Ip 29
Status	Off
Remote Input 30	Rem Ip 30
Status	Off
Remote Input 31	Rem Ip 31
Status	Off
Remote Input 32	Rem Ip 32
Status	Off

REMOTE DPS INPUTS

Remote DPS Input 1 Name	RemDPS Ip 1
Remote DPS Input 1 State	BAD
Remote DPS Input 2 Name	RemDPS Ip 2
Remote DPS Input 2 State	BAD
Remote DPS Input 3 Name	RemDPS Ip 3
Remote DPS Input 3 State	BAD
Remote DPS Input 4 Name	RemDPS Ip 4
Remote DPS Input 4 State	BAD
Remote DPS Input 5 Name	RemDPS Ip 5
Remote DPS Input 5 State	BAD

CONTACT OUTPUTS

H1	TRIP1 52B3-A
Status	Off (VOff, IOff)
H2	TRIP1 52B3-B
Status	Off (VOff, IOff)
H3	TRIP1 52B3-C
Status	Off (VOff, IOff)
H4	TRIP2 52B3-A
Status	Off (VOff, IOff)

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

CONTACT OUTPUTS (continued from last page)

H5	TRIP2 52B3-B
Status	Off (VOff, IOff)
H6	TRIP2 52B3-C
Status	Off (VOff, IOff)
M1	TX 85D-A
Status	Off (VOff, IOff)
M2	TX 85D-B
Status	Off (VOff, IOff)
M3	TX 85D-C
Status	Off (VOff, IOff)
M4	TX 85A/C
Status	Off (VOff, IOff)
M5	79 21S2 DESH
Status	On (VOff, IOff)
M6	RESET 21S1
Status	Off (VOff, IOff)
P1	CE 52B3 x79
Status	Off (VOff, IOff)
P2	TX 79DD
Status	Off (VOff, IOff)
P3	OP REC 21S2
Status	Off (VOff, IOff)
P4	OP 50BF
Status	Off (VOff, IOff)
P5	AL OP 50BF
Status	Off (VOff, IOff)
P6	PART 79 > S1
Status	Off (VOff, IOff)
U1	Cont Op 19
Status	Off (VOff, IOff)
U2	AL OP PROT
Status	Off (VOff, IOff)
U3	AL OP RECONX
Status	Off (VOff, IOff)
U4	Cont Op 22
Status	Off (VOff, IOff)
U5	79 21S2 HAB
Status	Off (VOff, IOff)
U6	AL OP PROT
Status	Off (VOff, IOff)

VIRTUAL OUTPUTS

VO 1	PART 50BF-A
Status	Off
VO 2	PART 50BF-B
Status	Off
VO 3	PART 50BF-C
Status	Off
VO 4	PART 50BF 3P
Status	Off
VO 5	PART 79 3P
Status	Off
VO 6	BLOCK 79
Status	Off
VO 7	CE MAN 52B3
Status	Off
VO 8	Virt Op 8
Status	Off
VO 9	TRIP PROT.
Status	Off
VO 10	CLOSE PROT.
Status	Off
VO 11	TDD PROT.
Status	Off
VO 12	PKP PROT.
Status	Off
VO 13	OSCILOGRAFIA
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 14	SCA OP 21 Z1
Status	Off
VO 15	SCA OP 21 Z2
Status	Off
VO 16	SCA OP 21 Z3
Status	Off
VO 17	SCA OP 21 Z4
Status	Off
VO 18	SCA OP 21 Z5
Status	Off
VO 19	SCA OP 51P
Status	Off
VO 20	SCA OP 51N
Status	Off
VO 21	SCA OP LINE
Status	Off
VO 22	BLOCK SOTF
Status	On
VO 23	HAB 79 VO23
Status	Off
VO 24	DES 79 VO24
Status	On
VO 25	DES/HAB 79
Status	On
VO 26	RST DEVICE
Status	Off
VO 27	TX 85A/C
Status	Off
VO 28	79 RIP
Status	Off
VO 29	Virt Op 29
Status	Off
VO 30	TRIP FAULT R
Status	Off
VO 31	PEXT 79S1 OK
Status	Off
VO 32	Virt Op 32
Status	Off
VO 33	SCA OP 50BF
Status	Off
VO 34	SCA OP 79 S2
Status	Off
VO 35	SCA OP 79 B3
Status	Off
VO 36	SCA FAULT R
Status	Off
VO 37	SCA ANY B3
Status	Off
VO 38	SCA OP 46
Status	Off
VO 39	SCA CUT LINE
Status	Off
VO 40	SC AP B3 Rx
Status	Off
VO 41	OP 21S1 Z1
Status	Off
VO 42	OP 21S1 Z2
Status	Off
VO 43	OP 21S1 Z3
Status	Off
VO 44	OP 21S1 Z4
Status	Off
VO 45	OP 79 SIST.1
Status	Off
VO 46	PH DIR1 BLKA
Status	Off
VO 47	PH DIR1 BLKB
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 48	PH DIR1 BLKC
Status	Off
VO 49	Virt Op 49
Status	Off
VO 50	Virt Op 50
Status	Off
VO 51	Virt Op 51
Status	Off
VO 52	Virt Op 52
Status	Off
VO 53	Virt Op 53
Status	Off
VO 54	Virt Op 54
Status	Off
VO 55	Virt Op 55
Status	Off
VO 56	Virt Op 56
Status	Off
VO 57	Virt Op 57
Status	Off
VO 58	Virt Op 58
Status	Off
VO 59	Virt Op 59
Status	Off
VO 60	Virt Op 60
Status	Off
VO 61	Virt Op 61
Status	Off
VO 62	Virt Op 62
Status	Off
VO 63	Virt Op 63
Status	Off
VO 64	Osc Trigger
Status	Off
VO 65	Virt Op 65
Status	Off
VO 66	Virt Op 66
Status	Off
VO 67	Virt Op 67
Status	Off
VO 68	Virt Op 68
Status	Off
VO 69	Virt Op 69
Status	Off
VO 70	Virt Op 70
Status	Off
VO 71	Virt Op 71
Status	Off
VO 72	Virt Op 72
Status	Off
VO 73	Virt Op 73
Status	Off
VO 74	Virt Op 74
Status	Off
VO 75	Virt Op 75
Status	Off
VO 76	Virt Op 76
Status	Off
VO 77	Virt Op 77
Status	Off
VO 78	Virt Op 78
Status	Off
VO 79	Virt Op 79
Status	Off
VO 80	Virt Op 80
Status	Off
VO 81	Virt Op 81
Status	Off

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

VIRTUAL OUTPUTS (continued from last page)

VO 82	Virt Op 82
Status	Off
VO 83	Virt Op 83
Status	Off
VO 84	Virt Op 84
Status	Off
VO 85	Virt Op 85
Status	Off
VO 86	Virt Op 86
Status	Off
VO 87	Virt Op 87
Status	Off
VO 88	Virt Op 88
Status	Off
VO 89	Virt Op 89
Status	Off
VO 90	Virt Op 90
Status	Off
VO 91	Virt Op 91
Status	Off
VO 92	Virt Op 92
Status	Off
VO 93	Virt Op 93
Status	Off
VO 94	Virt Op 94
Status	Off
VO 95	Virt Op 95
Status	Off
VO 96	Virt Op 96
Status	Off

AUTORECLOSE

AUTORECLOSE: Count 0

REMOTE DEVICES STATUS

All Remote Devices Online	Yes
All Remote Devices Online	Yes
Remote Device 1	EML-PAR-87B-B30
Status 1	Online
Remote Device 2	PAR1_C30_3
Status 2	Online
Remote Device 3	PAR1_C30_4
Status 3	Online
Remote Device 4	EML-PAR-B3-21S1-D90
Status 4	Online
Remote Device 5	Remote Device 5
Status 5	Offline
Remote Device 6	Remote Device 6
Status 6	Offline
Remote Device 7	Remote Device 7
Status 7	Offline
Remote Device 8	Remote Device 8
Status 8	Offline
Remote Device 9	Remote Device 9
Status 9	Offline
Remote Device 10	Remote Device 10
Status 10	Offline
Remote Device 11	Remote Device 11
Status 11	Offline
Remote Device 12	Remote Device 12
Status 12	Offline
Remote Device 13	Remote Device 13
Status 13	Offline
Remote Device 14	Remote Device 14
Status 14	Offline
Remote Device 15	Remote Device 15
Status 15	Offline
Remote Device 16	Remote Device 16

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

REMOTE DEVICES STATUS (continued from last page)

Status 16 Offline

REMOTE DEVICES STATISTICS

NAME: Remote Device 1	EML-PAR-87B-B30
STNUM: Remote Device 1	2
SQNUM: Remote Device 1	193486784
NAME: Remote Device 2	PARI_C30_3
STNUM: Remote Device 2	43
SQNUM: Remote Device 2	1189673
NAME: Remote Device 3	PARI_C30_4
STNUM: Remote Device 3	1
SQNUM: Remote Device 3	3224760
NAME: Remote Device 4	EML-PAR-B3-21S1-D90
STNUM: Remote Device 4	23
SQNUM: Remote Device 4	83864
NAME: Remote Device 5	Remote Device 5
STNUM: Remote Device 5	0
SQNUM: Remote Device 5	0
NAME: Remote Device 6	Remote Device 6
STNUM: Remote Device 6	0
SQNUM: Remote Device 6	0
NAME: Remote Device 7	Remote Device 7
STNUM: Remote Device 7	0
SQNUM: Remote Device 7	0
NAME: Remote Device 8	Remote Device 8
STNUM: Remote Device 8	0
SQNUM: Remote Device 8	0
NAME: Remote Device 9	Remote Device 9
STNUM: Remote Device 9	0
SQNUM: Remote Device 9	0
NAME: Remote Device 10	Remote Device 10
STNUM: Remote Device 10	0
SQNUM: Remote Device 10	0
NAME: Remote Device 11	Remote Device 11
STNUM: Remote Device 11	0
SQNUM: Remote Device 11	0
NAME: Remote Device 12	Remote Device 12
STNUM: Remote Device 12	0
SQNUM: Remote Device 12	0
NAME: Remote Device 13	Remote Device 13
STNUM: Remote Device 13	0
SQNUM: Remote Device 13	0
NAME: Remote Device 14	Remote Device 14
STNUM: Remote Device 14	0
SQNUM: Remote Device 14	0
NAME: Remote Device 15	Remote Device 15
STNUM: Remote Device 15	0
SQNUM: Remote Device 15	0
NAME: Remote Device 16	Remote Device 16
STNUM: Remote Device 16	0
SQNUM: Remote Device 16	0

DIGITAL COUNTERS

NAME: Digital Counter 1	OP. INTER.
ACCUM: Digital Counter 1	170
FROZEN: Digital Counter 1	170
TIME STAMP: 05/19/2019 23:39:09.816751	05/19/2019 23:39:09.816751
NAME: Digital Counter 2	OP. PROT.
ACCUM: Digital Counter 2	43
FROZEN: Digital Counter 2	43
TIME STAMP: 04/22/2019 14:20:05.577438	04/22/2019 14:20:05.577438
NAME: Digital Counter 3	Counter 3
ACCUM: Digital Counter 3	1431662457
FROZEN: Digital Counter 3	-772517419
TIME STAMP: 05/26/2032 22:23:17.1447418693	05/26/2032 22:23:17.1447418693
NAME: Digital Counter 4	Counter 4
ACCUM: Digital Counter 4	-116318892
FROZEN: Digital Counter 4	-235317795

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

DIGITAL COUNTERS (continued from last page)

TIME STAMP: .1708218733	.1708218733
NAME: Digital Counter 5	Counter 5
ACCUM: Digital Counter 5	-61915068
FROZEN: Digital Counter 5	393487453
TIME STAMP: 03/04/2015 18:52:11.1331254480	03/04/2015 18:52:11.1331254480
NAME: Digital Counter 6	Counter 6
ACCUM: Digital Counter 6	1565856853
FROZEN: Digital Counter 6	1461147509
TIME STAMP: .1953828214	.1953828214
NAME: Digital Counter 7	Counter 7
ACCUM: Digital Counter 7	373773652
FROZEN: Digital Counter 7	365261925
TIME STAMP: .3544800829	.3544800829
NAME: Digital Counter 8	Counter 8
ACCUM: Digital Counter 8	1162173877
FROZEN: Digital Counter 8	-1781181072
TIME STAMP: 02/11/2011 10:56:52.1475212629	02/11/2011 10:56:52.1475212629

SELECTOR SWITCHES

Selector 1 Position	0 / 7
Selector 2 Position	0 / 7

FLEX STATES

Parameter 1	TRIPBUS 1 OP
Bits	Off
Parameter 2	TRIPBUS 2 OP
Bits	Off
Parameter 3	TRIP 1-POLE
Bits	Off
Parameter 4	TRIP 3-POLE
Bits	Off
Parameter 5	TRIP PHASE A
Bits	Off
Parameter 6	TRIP PHASE B
Bits	Off
Parameter 7	TRIP PHASE C
Bits	Off
Parameter 8	BREAKER 1 Phase A CLOSED
Bits	On
Parameter 9	BREAKER 1 Phase B CLOSED
Bits	On
Parameter 10	BREAKER 1 Phase C CLOSED
Bits	On
Parameter 11	OPEN POLE BKR A OP
Bits	Off
Parameter 12	OPEN POLE BKR B OP
Bits	Off
Parameter 13	OPEN POLE BKR C OP
Bits	Off
Parameter 14	52B3 AB On(H7a)
Bits	Off
Parameter 15	Cont Ip 2 On(H7c)
Bits	Off
Parameter 16	Cont Ip 3 On(H8a)
Bits	Off
Parameter 17	52B3 CE On(H8c)
Bits	On
Parameter 18	BREAKER 1 OPEN
Bits	Off
Parameter 19	BREAKER 1 CLOSED
Bits	On
Parameter 20	AR ENABLED
Bits	Off
Parameter 21	AR DISABLED
Bits	On
Parameter 22	AR 1-P RIP
Bits	Off
Parameter 23	AR LO

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 24	AR CLOSE BKR 1
Bits	Off
Parameter 25	AR FORCE 3-P TRIP
Bits	On
Parameter 26	AR INCOMPLETE SEQ
Bits	Off
Parameter 27	S79 S2 ON On(U7c)
Bits	On
Parameter 28	S79 S1 ON On(U7a)
Bits	Off
Parameter 29	CTRL HAB 79 On(W1a)
Bits	Off
Parameter 30	CTRL DES 79 On(W1c)
Bits	On
Parameter 31	HAB 79 VO23 On (VO23)
Bits	Off
Parameter 32	DES 79 VO24 On (VO24)
Bits	On
Parameter 33	DES/HAB 79 On (VO25)
Bits	On
Parameter 34	BLOCK 79 On (VO6)
Bits	Off
Parameter 35	LATCH 1 ON
Bits	On
Parameter 36	LATCH 1 OFF
Bits	Off
Parameter 37	OFF
Bits	Off
Parameter 38	OFF
Bits	Off
Parameter 39	OFF
Bits	Off
Parameter 40	OFF
Bits	Off
Parameter 41	OFF
Bits	Off
Parameter 42	OFF
Bits	Off
Parameter 43	OFF
Bits	Off
Parameter 44	OFF
Bits	Off
Parameter 45	OFF
Bits	Off
Parameter 46	OFF
Bits	Off
Parameter 47	OFF
Bits	Off
Parameter 48	OFF
Bits	Off
Parameter 49	OFF
Bits	Off
Parameter 50	OFF
Bits	Off
Parameter 51	OFF
Bits	Off
Parameter 52	OFF
Bits	Off
Parameter 53	OFF
Bits	Off
Parameter 54	OFF
Bits	Off
Parameter 55	OFF
Bits	Off
Parameter 56	OFF
Bits	Off
Parameter 57	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 58	OFF
Bits	Off
Parameter 59	OFF
Bits	Off
Parameter 60	OFF
Bits	Off
Parameter 61	OFF
Bits	Off
Parameter 62	OFF
Bits	Off
Parameter 63	OFF
Bits	Off
Parameter 64	OFF
Bits	Off
Parameter 65	OFF
Bits	Off
Parameter 66	OFF
Bits	Off
Parameter 67	OFF
Bits	Off
Parameter 68	OFF
Bits	Off
Parameter 69	OFF
Bits	Off
Parameter 70	OFF
Bits	Off
Parameter 71	OFF
Bits	Off
Parameter 72	OFF
Bits	Off
Parameter 73	OFF
Bits	Off
Parameter 74	OFF
Bits	Off
Parameter 75	OFF
Bits	Off
Parameter 76	OFF
Bits	Off
Parameter 77	OFF
Bits	Off
Parameter 78	OFF
Bits	Off
Parameter 79	OFF
Bits	Off
Parameter 80	OFF
Bits	Off
Parameter 81	OFF
Bits	Off
Parameter 82	OFF
Bits	Off
Parameter 83	OFF
Bits	Off
Parameter 84	OFF
Bits	Off
Parameter 85	OFF
Bits	Off
Parameter 86	OFF
Bits	Off
Parameter 87	OFF
Bits	Off
Parameter 88	OFF
Bits	Off
Parameter 89	OFF
Bits	Off
Parameter 90	OFF
Bits	Off
Parameter 91	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 92	OFF
Bits	Off
Parameter 93	OFF
Bits	Off
Parameter 94	OFF
Bits	Off
Parameter 95	OFF
Bits	Off
Parameter 96	OFF
Bits	Off
Parameter 97	OFF
Bits	Off
Parameter 98	OFF
Bits	Off
Parameter 99	OFF
Bits	Off
Parameter 100	OFF
Bits	Off
Parameter 101	OFF
Bits	Off
Parameter 102	OFF
Bits	Off
Parameter 103	OFF
Bits	Off
Parameter 104	OFF
Bits	Off
Parameter 105	OFF
Bits	Off
Parameter 106	OFF
Bits	Off
Parameter 107	OFF
Bits	Off
Parameter 108	OFF
Bits	Off
Parameter 109	OFF
Bits	Off
Parameter 110	OFF
Bits	Off
Parameter 111	OFF
Bits	Off
Parameter 112	OFF
Bits	Off
Parameter 113	OFF
Bits	Off
Parameter 114	OFF
Bits	Off
Parameter 115	OFF
Bits	Off
Parameter 116	OFF
Bits	Off
Parameter 117	OFF
Bits	Off
Parameter 118	OFF
Bits	Off
Parameter 119	OFF
Bits	Off
Parameter 120	OFF
Bits	Off
Parameter 121	OFF
Bits	Off
Parameter 122	OFF
Bits	Off
Parameter 123	OFF
Bits	Off
Parameter 124	OFF
Bits	Off
Parameter 125	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 126	OFF
Bits	Off
Parameter 127	OFF
Bits	Off
Parameter 128	OFF
Bits	Off
Parameter 129	OFF
Bits	Off
Parameter 130	OFF
Bits	Off
Parameter 131	OFF
Bits	Off
Parameter 132	OFF
Bits	Off
Parameter 133	OFF
Bits	Off
Parameter 134	OFF
Bits	Off
Parameter 135	OFF
Bits	Off
Parameter 136	OFF
Bits	Off
Parameter 137	OFF
Bits	Off
Parameter 138	OFF
Bits	Off
Parameter 139	OFF
Bits	Off
Parameter 140	OFF
Bits	Off
Parameter 141	OFF
Bits	Off
Parameter 142	OFF
Bits	Off
Parameter 143	OFF
Bits	Off
Parameter 144	OFF
Bits	Off
Parameter 145	OFF
Bits	Off
Parameter 146	OFF
Bits	Off
Parameter 147	OFF
Bits	Off
Parameter 148	OFF
Bits	Off
Parameter 149	OFF
Bits	Off
Parameter 150	OFF
Bits	Off
Parameter 151	OFF
Bits	Off
Parameter 152	OFF
Bits	Off
Parameter 153	OFF
Bits	Off
Parameter 154	OFF
Bits	Off
Parameter 155	OFF
Bits	Off
Parameter 156	OFF
Bits	Off
Parameter 157	OFF
Bits	Off
Parameter 158	OFF
Bits	Off
Parameter 159	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 160	OFF
Bits	Off
Parameter 161	OFF
Bits	Off
Parameter 162	OFF
Bits	Off
Parameter 163	OFF
Bits	Off
Parameter 164	OFF
Bits	Off
Parameter 165	OFF
Bits	Off
Parameter 166	OFF
Bits	Off
Parameter 167	OFF
Bits	Off
Parameter 168	OFF
Bits	Off
Parameter 169	OFF
Bits	Off
Parameter 170	OFF
Bits	Off
Parameter 171	OFF
Bits	Off
Parameter 172	OFF
Bits	Off
Parameter 173	OFF
Bits	Off
Parameter 174	OFF
Bits	Off
Parameter 175	OFF
Bits	Off
Parameter 176	OFF
Bits	Off
Parameter 177	OFF
Bits	Off
Parameter 178	OFF
Bits	Off
Parameter 179	OFF
Bits	Off
Parameter 180	OFF
Bits	Off
Parameter 181	OFF
Bits	Off
Parameter 182	OFF
Bits	Off
Parameter 183	OFF
Bits	Off
Parameter 184	OFF
Bits	Off
Parameter 185	OFF
Bits	Off
Parameter 186	OFF
Bits	Off
Parameter 187	OFF
Bits	Off
Parameter 188	OFF
Bits	Off
Parameter 189	OFF
Bits	Off
Parameter 190	OFF
Bits	Off
Parameter 191	OFF
Bits	Off
Parameter 192	OFF
Bits	Off
Parameter 193	OFF

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

FLEX STATES (continued from last page)

Bits	Off
Parameter 194	OFF
Bits	Off
Parameter 195	OFF
Bits	Off
Parameter 196	OFF
Bits	Off
Parameter 197	OFF
Bits	Off
Parameter 198	OFF
Bits	Off
Parameter 199	OFF
Bits	Off
Parameter 200	OFF
Bits	Off
Parameter 201	OFF
Bits	Off
Parameter 202	OFF
Bits	Off
Parameter 203	OFF
Bits	Off
Parameter 204	OFF
Bits	Off
Parameter 205	OFF
Bits	Off
Parameter 206	OFF
Bits	Off
Parameter 207	OFF
Bits	Off
Parameter 208	OFF
Bits	Off
Parameter 209	OFF
Bits	Off
Parameter 210	OFF
Bits	Off
Parameter 211	OFF
Bits	Off
Parameter 212	OFF
Bits	Off
Parameter 213	OFF
Bits	Off
Parameter 214	OFF
Bits	Off
Parameter 215	OFF
Bits	Off
Parameter 216	OFF
Bits	Off
Parameter 217	OFF
Bits	Off
Parameter 218	OFF
Bits	Off
Parameter 219	OFF
Bits	Off
Parameter 220	OFF
Bits	Off
Parameter 221	OFF
Bits	Off
Parameter 222	OFF
Bits	Off
Parameter 223	OFF
Bits	Off
Parameter 224	OFF
Bits	Off
Parameter 225	OFF
Bits	Off
Parameter 226	OFF
Bits	Off
Parameter 227	OFF

QUICK CONNECT**QUICK CONNECT DEVICE****DEVICE DEFINITION****ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D****VERSION: 5.7X****DESCRIPTION: (NONE)****INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502**FLEX STATES (continued from last page)

Bits	Off
Parameter 228	OFF
Bits	Off
Parameter 229	OFF
Bits	Off
Parameter 230	OFF
Bits	Off
Parameter 231	OFF
Bits	Off
Parameter 232	OFF
Bits	Off
Parameter 233	OFF
Bits	Off
Parameter 234	OFF
Bits	Off
Parameter 235	OFF
Bits	Off
Parameter 236	OFF
Bits	Off
Parameter 237	OFF
Bits	Off
Parameter 238	OFF
Bits	Off
Parameter 239	OFF
Bits	Off
Parameter 240	OFF
Bits	Off
Parameter 241	OFF
Bits	Off
Parameter 242	OFF
Bits	Off
Parameter 243	OFF
Bits	Off
Parameter 244	OFF
Bits	Off
Parameter 245	OFF
Bits	Off
Parameter 246	OFF
Bits	Off
Parameter 247	OFF
Bits	Off
Parameter 248	OFF
Bits	Off
Parameter 249	OFF
Bits	Off
Parameter 250	OFF
Bits	Off
Parameter 251	OFF
Bits	Off
Parameter 252	OFF
Bits	Off
Parameter 253	OFF
Bits	Off
Parameter 254	OFF
Bits	Off
Parameter 255	OFF
Bits	Off
Parameter 256	OFF
Bits	Off

ETHERNET

Ethernet Primary Link Status	OK
Ethernet Secondary Link Status	n/a

GOOSE UINTEGER INPUTS

IEC61850 GOOSE UInteger Input 1	0
IEC61850 GOOSE UInteger Input 2	0
IEC61850 GOOSE UInteger Input 3	0

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

GOOSE UINTEGER INPUTS (continued from last page)

IEC61850 GOOSE UInteger Input 4	0
IEC61850 GOOSE UInteger Input 5	0
IEC61850 GOOSE UInteger Input 6	0
IEC61850 GOOSE UInteger Input 7	0
IEC61850 GOOSE UInteger Input 8	0
IEC61850 GOOSE UInteger Input 9	0
IEC61850 GOOSE UInteger Input 10	0
IEC61850 GOOSE UInteger Input 11	0
IEC61850 GOOSE UInteger Input 12	0
IEC61850 GOOSE UInteger Input 13	0
IEC61850 GOOSE UInteger Input 14	0
IEC61850 GOOSE UInteger Input 15	0
IEC61850 GOOSE UInteger Input 16	0

METERING

SOURCE

PHASE CURRENT

SOURCE 1: Name	52B3
SOURCE 1: RMS Ia	69.760 A
SOURCE 1: RMS Ib	69.774 A
SOURCE 1: RMS Ic	71.205 A
SOURCE 1: RMS In	0.000 A
SOURCE 1: Phasor Ia	69.670 A -13.6 deg
SOURCE 1: Phasor Ib	69.806 A -131.6 deg
SOURCE 1: Phasor Ic	71.147 A -253.3 deg
SOURCE 1: Phasor In	0.000 A 0.0 deg
SOURCE 1: Zero Seq I0	0.000 A 0.0 deg
SOURCE 1: Positive Seq I1	70.198 A -12.8 deg
SOURCE 1: Negative Seq I2	0.000 A 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Ia	0.000 A
SOURCE 2: RMS Ib	0.000 A
SOURCE 2: RMS Ic	0.000 A
SOURCE 2: RMS In	0.000 A
SOURCE 2: Phasor Ia	0.000 A 0.0 deg
SOURCE 2: Phasor Ib	0.000 A 0.0 deg
SOURCE 2: Phasor Ic	0.000 A 0.0 deg
SOURCE 2: Phasor In	0.000 A 0.0 deg
SOURCE 2: Zero Seq I0	0.000 A 0.0 deg
SOURCE 2: Positive Seq I1	0.000 A 0.0 deg
SOURCE 2: Negative Seq I2	0.000 A 0.0 deg

GROUND CURRENT

SOURCE 1: Name	52B3
SOURCE 1: RMS Ig	0.000 A
SOURCE 1: Phasor Ig	0.000 A 0.0 deg
SOURCE 1: Phasor Igd	0.000 A 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Ig	0.000 A
SOURCE 2: Phasor Ig	0.000 A 0.0 deg
SOURCE 2: Phasor Igd	0.000 A 0.0 deg

PHASE VOLTAGE

SOURCE 1: Name	52B3
SOURCE 1: RMS Vag	39.059 kV
SOURCE 1: RMS Vbg	39.010 kV
SOURCE 1: RMS Vcg	38.897 kV
SOURCE 1: Phasor Vag	39.099 kV 0.0 deg
SOURCE 1: Phasor Vbg	39.021 kV -120.3 deg
SOURCE 1: Phasor Vcg	38.934 kV -240.1 deg
SOURCE 1: RMS Vab	67.664 kV
SOURCE 1: RMS Vbc	67.425 kV
SOURCE 1: RMS Vca	67.468 kV
SOURCE 1: Phasor Vab	67.704 kV -330.2 deg
SOURCE 1: Phasor Vbc	67.471 kV -90.2 deg
SOURCE 1: Phasor Vca	67.536 kV -210.0 deg
SOURCE 1: Zero Seq V0	0.000 V 0.0 deg
SOURCE 1: Positive Seq V1	39.011 kV -0.1 deg

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

PHASE VOLTAGE (continued from last page)

SOURCE 1: Negative Seq V2	0.000 V 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Vag	0.000 V
SOURCE 2: RMS Vbg	0.000 V
SOURCE 2: RMS Vcg	0.000 V
SOURCE 2: Phasor Vag	0.000 V 0.0 deg
SOURCE 2: Phasor Vbg	0.000 V 0.0 deg
SOURCE 2: Phasor Vcg	0.000 V 0.0 deg
SOURCE 2: RMS Vab	0.000 V
SOURCE 2: RMS Vbc	0.000 V
SOURCE 2: RMS Vca	0.000 V
SOURCE 2: Phasor Vab	0.000 V 0.0 deg
SOURCE 2: Phasor Vbc	0.000 V 0.0 deg
SOURCE 2: Phasor Vca	0.000 V 0.0 deg
SOURCE 2: Zero Seq V0	0.000 V 0.0 deg
SOURCE 2: Positive Seq V1	0.000 V 0.0 deg
SOURCE 2: Negative Seq V2	0.000 V 0.0 deg

AUXILIARY VOLTAGE

SOURCE 1: Name	52B3
SOURCE 1: RMS Vx	0.000 V
SOURCE 1: Phasor Vx	0.000 V 0.0 deg
SOURCE 2: Name	SYNC
SOURCE 2: RMS Vx	0.000 V
SOURCE 2: Phasor Vx	0.000 V 0.0 deg

POWER

SOURCE 1: Name	52B3
SOURCE 1: Three Phase Real Power	7.995 MW
SOURCE 1: Phase A Real Power	2.636 MW
SOURCE 1: Phase B Real Power	2.664 MW
SOURCE 1: Phase C Real Power	2.695 MW
SOURCE 1: Three Phase Reactive Power	1.833 Mvar
SOURCE 1: Phase A Reactive Power	648.892 kvar
SOURCE 1: Phase B Reactive Power	543.320 kvar
SOURCE 1: Phase C Reactive Power	641.259 kvar
SOURCE 1: Three Phase Apparent Power	8.203 MVA
SOURCE 1: Phase A Apparent Power	2.715 MVA
SOURCE 1: Phase B Apparent Power	2.719 MVA
SOURCE 1: Phase C Apparent Power	2.770 MVA
SOURCE 1: Three Phase Power Factor	0.974 Lag
SOURCE 1: Phase A Power Factor	0.970 Lag
SOURCE 1: Phase B Power Factor	0.979 Lag
SOURCE 1: Phase C Power Factor	0.972 Lag
SOURCE 2: Name	SYNC
SOURCE 2: Three Phase Real Power	0.000 W
SOURCE 2: Phase A Real Power	0.000 W
SOURCE 2: Phase B Real Power	0.000 W
SOURCE 2: Phase C Real Power	0.000 W
SOURCE 2: Three Phase Reactive Power	0.000 var
SOURCE 2: Phase A Reactive Power	0.000 var
SOURCE 2: Phase B Reactive Power	0.000 var
SOURCE 2: Phase C Reactive Power	0.000 var
SOURCE 2: Three Phase Apparent Power	0.000 VA
SOURCE 2: Phase A Apparent Power	0.000 VA
SOURCE 2: Phase B Apparent Power	0.000 VA
SOURCE 2: Phase C Apparent Power	0.000 VA
SOURCE 2: Three Phase Power Factor	0.000
SOURCE 2: Phase A Power Factor	0.000
SOURCE 2: Phase B Power Factor	0.000
SOURCE 2: Phase C Power Factor	0.000

ENERGY

SOURCE 1: Name	52B3
SOURCE 1: Positive Watthour	121.174 GWh
SOURCE 1: Negative Watthour	2.887 GWh
SOURCE 1: Positive varhour	37.623 Gvarh
SOURCE 1: Negative varhour	101.046 Mvarh

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

ENERGY (continued from last page)

SOURCE 2: Name	SYNC
SOURCE 2: Positive Watthour	0.000 Wh
SOURCE 2: Negative Watthour	0.000 Wh
SOURCE 2: Positive varhour	0.000 varh
SOURCE 2: Negative varhour	0.000 varh

FREQUENCY

SOURCE 1: Name	52B3
SOURCE 1: Frequency	49.848 Hz
SOURCE 2: Name	SYNC
SOURCE 2: Frequency	0.000 Hz

SYNCHROCHECK

SYNCHROCHECK 1: Delta Voltage	0 V
SYNCHROCHECK 1: Delta Phase	0.0 deg
SYNCHROCHECK 1: Delta Frequency	0.00 Hz
SYNCHROCHECK 2: Delta Voltage	0 V
SYNCHROCHECK 2: Delta Phase	0.0 deg
SYNCHROCHECK 2: Delta Frequency	0.00 Hz

TRACKING FREQUENCY

Tracking Frequency	49.84 Hz

FLEXELEMENTS

NAME: FlexElement 1	FxE 1
Actual	0.000
NAME: FlexElement 2	FxE 2
Actual	0.000
NAME: FlexElement 3	FxE 3
Actual	0.000
NAME: FlexElement 4	FxE 4
Actual	0.000
NAME: FlexElement 5	FxE 5
Actual	0.000
NAME: FlexElement 6	FxE 6
Actual	0.000
NAME: FlexElement 7	FxE 7
Actual	0.000
NAME: FlexElement 8	FxE 8
Actual	0.000

IEC 61850 GOOSE ANALOGS INPUTS

VALUE: IEC61850 GOOSE Analog Input 1 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 2 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 3 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 4 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 5 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 6 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 7 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 8 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 9 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 10 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 11 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 12 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 13 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 14 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 15 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 16 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 17 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 18 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 19 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 20 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 21 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 22 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 23 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 24 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 25 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 26 Actual	0.000

QUICK CONNECT

QUICK CONNECT DEVICE

DEVICE DEFINITION

ORDER CODE: D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D

VERSION: 5.7X

DESCRIPTION: (NONE)

INTERFACE: IP:10.1.32.51 | ADDR:51 | PORT: 502

IEC 61850 GOOSE ANALOGS INPUTS (continued from last page)

VALUE: IEC61850 GOOSE Analog Input 27 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 28 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 29 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 30 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 31 Actual	0.000
VALUE: IEC61850 GOOSE Analog Input 32 Actual	0.000

WATTMETRIC GROUND FAULT

WATTMETRIC GND FLT 1: Operating Power	0.000 W
WATTMETRIC GND FLT 2: Operating Power	0.000 W

MAINTENANCE

BREAKER ARCING

BREAKER 1 ARCING AMP: Phase A	-0.00 kA2-cyc
BREAKER 1 ARCING AMP: Phase B	0.00 kA2-cyc
BREAKER 1 ARCING AMP: Phase C	0.00 kA2-cyc
BREAKER 1 ARCING AMP: Operating Time Phase A	0 ms
BREAKER 1 ARCING AMP: Operating Time Phase B	0 ms
BREAKER 1 ARCING AMP: Operating Time Phase C	0 ms
BREAKER 1 ARCING AMP: Operating Time	0 ms
BREAKER 2 ARCING AMP: Phase A	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Phase B	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Phase C	0.00 kA2-cyc
BREAKER 2 ARCING AMP: Operating Time Phase A	0 ms
BREAKER 2 ARCING AMP: Operating Time Phase B	0 ms
BREAKER 2 ARCING AMP: Operating Time Phase C	0 ms
BREAKER 2 ARCING AMP: Operating Time	0 ms

PRODUCT INFO

MODEL INFORMATION

Order Code	D60-J03-HKH-F8L-H6P-M6P-P6P-U6P-W6D
Serial Number	AABC07001043
Ethernet MAC Address	00 A0 F4 01 7E CD
Manufacturing Date	Friday, October 12, 2007 22:01:42
Operating Time	53743:41:34
PMU Feature Active	No
DSP Advanced Diagnostics Active	Yes
Settings Change Date	Monday, June 10, 2019 15:40:44

FIRMWARE REVISIONS

Revision	5.70
Modification File Number	0
Boot Program Revision	3.01
Front Panel Program Revision	2.01
Compile Date	Thursday, May 28, 2009 17:08:47
Boot Date	Monday, February 02, 2004 14:34:14