

## MODELO CLLC-PV DIGSILENT

**MODELO DIGSILENT transformador 0,42/23 [kV], Potencia Nominal 1250 [kVA], Grupo de conexión Dyn11**

2-Winding Transformer Type - Equipment Type Library\04-Chilectra\2e Trf ERNC\Trafo LLC S1.TypTr2

**Basic Data**

Description

Version

Load Flow

Short-Circuit VDE/IEC

Short-Circuit Complete

Short-Circuit ANSI

Short-Circuit IEC 61363

Short-Circuit DC

Simulation RMS

Simulation EMT

Protection

Power Quality/Harmonics

Reliability

Optimal Power Flow

Name: Trafo LLC S1

Technology: Three Phase Transformer

Rated Power: 1,25 MVA

Nominal Frequency: 50, Hz

Rated Voltage

HV-Side: 23, kV

LV-Side: 0,42 kV

Vector Group

HV-Side: D

LV-Side: YN

Phase Shift: 11, \*30deg

Name: Dyn11

Positive Sequence Impedance

Short-Circuit Voltage uk: 6, %

Copper Losses: 14, kW

Zero Sequence Impedance

Short-Circuit Voltage uk0: 6, %

SHC-Voltage (Re(uk0)) uk0r: 0,168 %

OK

Cancel

## MODELO CLLC-PV DIGSILENT

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2-Winding Transformer Type - Equipment Type Library\04-Chilectra\2e Trf ERNC\Trafo LLC S1.TypTr2 \*

Basic Data

Description

Version

**Load Flow**

Short-Circuit VDE/IEC

Short-Circuit Complete

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Short-Circuit DC

Simulation RMS

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Protection

Power Quality/Harmonics

Reliability

Optimal Power Flow

General

Tap Changer

Saturation

Advanced

Magnetising Impedance

No Load Current0, %

No Load Losses2,1 kW

Distribution of Leakage Reactances (p.u.)

x<sub>Pos.Seq. HV-Side</sub>0,5

x<sub>Pos.Seq. LV-Side</sub>0,5

Distribution of Leakage Resistances (p.u.)

r<sub>Pos.Seq. HV-Side</sub>0,5

r<sub>Pos.Seq. LV-Side</sub>0,5

OK

Cancel

## MODELO CLLC-PV DIGSILENT

### MODELO DIGSILENT transformador 0,4/23 [kV], Potencia Nominal 75 [kVA]

2-Winding Transformer Type - Equipment Type Library\Trafo SSAA LLC.TypTr2 \*

Basic Data

Description

Version

Load Flow

Short-Circuit VDE/IEC

Short-Circuit Complete

Short-Circuit ANSI

Short-Circuit IEC 61363

Short-Circuit DC

Simulation RMS

Simulation EMT

Protection

Power Quality/Harmonics

Reliability

Optimal Power Flow

Name: Trafo SSAA LLC

Technology: Three Phase Transformer

Rated Power: 0,075 MVA

Nominal Frequency: 50, Hz

Rated Voltage

HV-Side: 23, kV

LV-Side: 0,42 kV

Vector Group

HV-Side: D

LV-Side: YN

Phase Shift: 11, \*30deg

Name: Dyn11

Positive Sequence Impedance

Short-Circuit Voltage uk: 6, %

Copper Losses: 1,4 kW

Zero Sequence Impedance

Short-Circuit Voltage uk0: 6, %

SHC-Voltage (Re(uk0)) uk0r: 2,8 %

OK

Cancel

## MODELO CLLC-PV DIGSILENT

**MODELO DIGSILENT Línea 23 [kV] y 1200 [m] de extensión que conecta la salida del transformador con el PAÑO 23 kV CLLC-PV localizado en S/E LOMA LOS COLORADOS**

Line - 04-Enel Distribución\Línea Conexion PVLLC.ElmLne

**Basic Data**

Name: Línea Conexion PVLLC

Terminal i: ... I Distribución\Lomas Los Colorados 23kV\Cub\_7 Lomas Los Colorados

Terminal j: 04-Enel Distribución\BA 23kV(1)\Cub\_3 BA 23kV(1)

Zone: Terminal i

Area: Terminal i

☐ Out of Service

Number of parallel Lines: 1

Parameters

Length of Line: 1,2 km

Line Model

☒ Lumped Parameter (PI)

☐ Distributed Parameter

Sections/Line Loads

Resulting Values

Rated Current (act.)	0,24 kA
Pos. Seq. Impedance, Z1	0,7741588 Ohm
Pos. Seq. Impedance, Angle	33,7991 deg
Pos. Seq. Resistance, R1	0,6433207 Ohm
Pos. Seq. Reactance, X1	0,4306511 Ohm
Zero Seq. Resistance, R0	0,8170958 Ohm
Zero Seq. Reactance, X0	1,887701 Ohm
Earth-Fault Current, Ice	0,06275802 A
Earth Factor, Magnitude	0,6318154
Earth Factor, Angle	49,39964 deg

OK

Cancel

Figure <<

Jump to ...

## MODELO CLLC-PV DIGSILENT

**MODELO DIGSILENT Estructuras Línea 23 [kV] y 1200 [m] de extensión que conecta la salida del transformador con el PAÑO 23 kV CLLC-PV localizado en S/E LOMA LOS COLORADOS**

Tower Type - Equipment Type Library\Tower Type.TypTow

Basic Data

Description

Version

Load Flow

Short-Circuit VDE/IEC

Short-Circuit Complete

Short-Circuit ANSI

Short-Circuit IEC 61363

Short-Circuit DC

Simulation RMS

Simulation EMT

Power Quality/Harmonics

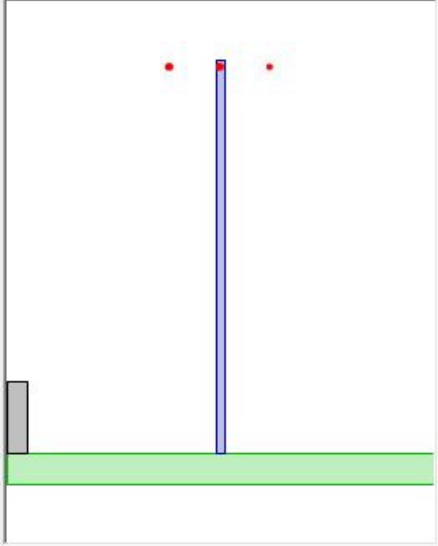
Reliability

Optimal Power Flow

General Geometry

Coordinate of Line Circuits [m]:

	X1	X2	X3	Y1	Y2	Y3
► Circuit 1	1,2	0,	-1,2	9,6	9,6	9



OK

Cancel

Calculate