

# Product data sheet

Specifications



## trip unit MicroLogic 6.3 E for ComPact NSX 630 circuit breakers, electronic, rating 630A, 4 poles 4d

LV432111

 **Discontinued on:** Dec 25, 2023

 **Discontinued**

**Important message:** This product has been switched to new ComPacT range and is no longer commercialized.

### Main

Range	ComPact
Range Of Product	ComPact NSX400...630
Product Or Component Type	Trip unit
Trip Unit Name	MicroLogic 6.3 E
Trip Unit Technology	Electronic
Range Compatibility	ComPact NSX630
Device Application	Distribution Generator
Number Of Poles	4P
Protected Poles Description	3t + OSN 3t + N/2 4t 3t
Neutral Position	Left
Trip Unit Protection Functions	LSIG
Protection Type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip Unit Rated Current	630 A at 40 °C
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Network Type	AC
Network Frequency	50/60 Hz

### Complementary

Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	250...630 A
Long-Time Protection Delay Adjustment Type Tr	Adjustable
[Tr] Long-Time Protection Delay Adjustment Range	15...400 s at 1.5 x Ir 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir
Thermal Memory	20 minutes before and after tripping
Short-Time Protection Pick-Up Adjustment Type Isd	Adjustable

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Isd] Short-Time Protection Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Protection Delay Adjustment Type Tsd	Adjustable
[Tsd] Short-Time Protection Delay Adjustment Range	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	1.5...11 x In Compact NSX630
Ground-Fault Protection Pick-Up Adjustment Type Ig	Adjustable
[Ig] Ground-Fault Protection Pick-Up Adjustment Range	0.4...1 x In for In = 40 A 0.2...1 x In for In > 40 A Ig enable on/off
Ground-Fault Protection Time Delay Adjustment Type Tg	Adjustable
[Tg] Ground-Fault Protection Time Delay Adjustment Range	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Earth-Leakage Protection	Without
Neutral Protection Settings	0.5 x Ir (3t + N/2) 1 x Ir (4t) 1.6 x Ir (3t + OSN) No protection (3t)
Zone Selective Interlocking Zsi	With
Local Signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Display Type	LCD display
Type Of Measurement	Energy meter
Communication Of Data	Time-stamped histories and event tables Maximeters/minimeters Protection and alarm settings Power quality Energy metering Instantaneous and demand values Maintenance indicators Demand current and power
Electrical Data Recording	Maintenance indicators

## Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	Marine EAC CCC
Pollution Degree	3 conforming to IEC 60947-1
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...85 °C

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13.7 cm

Package 1 Width	17.7 cm
Package 1 Length	21.5 cm
Package 1 Weight	1.825 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	10
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	18.92 kg

## Contractual warranty

Warranty	18 months
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# Sustainability



**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>