Product data sheet

Specifications

trip unit MicroLogic 5.3 E for ComPact NSX 400/630 circuit breakers, electronic, rating 400A, 4 poles 4d

LV432100

⊘ **Discontinued**

⊘ **Discontinued on:** Dec 25, 2023

Important message: This product has been switched to new ComPacT range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.

Main

Range	ComPact
Range Of Product	ComPact NSX400...630
Product Or Component Type	Trip unit
Trip Unit Name	MicroLogic 5.3 E
Trip Unit Technology	Electronic
Range Compatibility	ComPact NSX400 ComPact NSX630
Device Application	Distribution
Number Of Poles	4P
Protected Poles Description	3t + N/2 4t 3t + OSN 3t
Neutral Position	Left
Trip Unit Protection Functions	LSI
Protection Type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip Unit Rated Current	400 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	160...400 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 9 settings
[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 I²t=off 0.1…0.4 s I²t=on
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	1.5...12 x In
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	Instantaneous and demand values Maintenance indicators Maximeters/minimeters Energy metering Demand current and power Protection and alarm settings Time-stamped histories and event tables Power quality
Electrical Data Recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	Marine EAC CCC
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	13.8 cm
Package 1 Width	17.6 cm
Package 1 Length	21.6 cm
Package 1 Weight	1.834 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	19.106 kg

Contractual warranty

Warranty	18 months

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_2 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   Yes

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant with Exemptions

China Rohs Regulation   China RoHS declaration

                                         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 - www.P65Warnings.ca.gov