Product data sheet
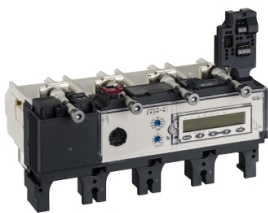
Specifications

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

LV432105

ⓘ **Discontinued on:** Sep 16, 2021

ⓘ **Discontinued**

Main

Range	ComPact
Range Of Product	ComPact NSX400...630
Product Or Component Type	Trip unit
Trip Unit Name	MicroLogic 6.3 A
Trip Unit Technology	Electronic
Range Compatibility	ComPact NSX630
Device Application	Distribution Generator
Number Of Poles	4P
Protected Poles Description	4t 3t + OSN 3t 3t + N/2
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
[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...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 I²t=off 0.1…0.4 s I²t=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	Ammeter
Communication Of Data	Power quality Protection and alarm settings Instantaneous and demand values Demand current and power Time-stamped histories and event tables Maximeters/minimeters Maintenance indicators Energy metering
Electrical Data Recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	CCC Marine EAC
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	13.5 cm
Package 1 Width	17.5 cm

Package 1 Length	21.5 cm
Package 1 Weight	1.9 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} 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 >

RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Eu Rohs Directive   Compliant

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

---

California Proposition 65   WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

---