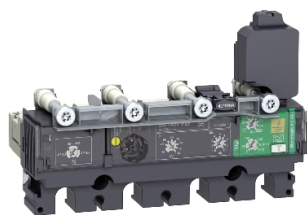# Product data sheet

Specifications

trip unit MicroLogic 4.2 AB for ComPact NSX 100/160/250 circuit breakers, electronic, rating 100 A, 4 poles 4d

LV433804

Discontinued

(!) Discontinued on: Oct 26, 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 NSX100...250
Product Or Component Type	Trip unit
Trip Unit Name	MicroLogic 4.2 AB
Trip Unit Technology	Electronic
Range Compatibility	ComPact NSX100 ComPact NSX160 ComPact NSX250
Device Application	Special application
Number Of Poles	4P
Protected Poles Description	3t 3t + N/2 4t
Neutral Position	Left
Trip Unit Protection Functions	LSoIR
Protection Type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip Unit Rated Current	100 A at 40 °C
[Ue] Rated Operational Voltage	440 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	40...100 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	0.35 s at 7.2 x Ir 0.5 s at 6 x Ir 15 s at 1.5 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	Fixed
[Tsd] Short-Time Protection Delay Adjustment Range	0.02 s
Instantaneous Protection Pick-Up Adjustment Type Ii	Fixed
[Ii] Instantaneous Protection Pick-Up Adjustment Range	1500 A
Earth-Leakage Protection	Integrated
Earth-Leakage Protection Class	Class A
Earth-Leakage Protection Sensity Adjustment Type Iδn	Adjustable
[Iδn] Earth-Leakage Protection Sensitivity Adjustment Range	500 mA 100 mA 3 A 5 A 30 mA 300 mA 1 A
Earth-Leakage Protection Specific Mode	OFF using the IΔn rotary switch
Earth-Leakage Protection Time Delay Adjustement Type Δt	Adjustable
[Δt] Earth-Leakage Protection Time Delay Adjustment Range	150 ms 500 ms 0 ms 1 s 60 ms
Neutral Protection Settings	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
Zone Selective Interlocking Zsi	Without
Local Signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload Color indicator (yellow) for residual current

Environment

Standards	UL 508 NEMA AB1 IEC 60947-2 EN 60947-2
Product Certifications	EAC CB 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	10.0 cm

Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	800.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.304 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 >

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

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

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Environmental Disclosure   Product Environmental Profile

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Circularity Profile   End of Life Information

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

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