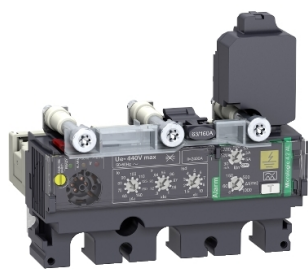


Product data sheet

Specifications



trip unit MicroLogic 4.2 AL for
ComPact NSX 160/250 circuit
breakers, electronic, rating 160A, 3
poles 3d

LV433886

❗ Discontinued

❗ Discontinued on: Oct 26, 2023

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

Main

Range	ComPact
Range Of Product	ComPact NSX100...250
Product Or Component Type	Trip unit
Trip Unit Name	MicroLogic 4.2 AL
Trip Unit Technology	Electronic
Range Compatibility	ComPact NSX160 ComPact NSX250
Device Application	Distribution
Number Of Poles	3P
Protected Poles Description	3t
Neutral Position	Left
Trip Unit Protection Functions	LSol
Protection Type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip Unit Rated Current	160 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	63...160 A
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	11 s at 7.2 x Ir 16 s at 6 x Ir 400 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

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

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	2400 A
Earth-Leakage Protection	Integrated
Earth-Leakage Protection Class	Class A
Earth-Leakage Protection Sensitivity Adjustment Type IΔn	Adjustable
[IΔn] Earth-Leakage Protection Sensitivity Adjustment Range	500 mA 3 A 30 mA 300 mA 1 A 5 A 100 mA
Earth-Leakage Protection Specific Mode	OFF using the IΔn rotary switch
Earth-Leakage Protection Time Delay Adjustment Type Δt	Adjustable
[Δt] Earth-Leakage Protection Time Delay Adjustment Range	500 ms 0 ms 150 ms 60 ms 1 s
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 IEC 60947-2 NEMA AB1 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	9.5 cm
Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	650.0 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	6.624 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-CO₂ 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
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
Circularity Profile	End of Life Information
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov