

Product data sheet

Specifications



trip unit MicroLogic 2.2 M for
ComPact NSX 250 circuit breakers,
electronic, rating 220 A, 3 poles 3d

LV431520

⚠ Discontinued on: Jan 2, 2024

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Product availability: Non-Stock - Not normally stocked in distribution facility
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 2.2 M
Trip unit technology	Electronic
Range Compatibility	ComPact NSX250
Device Application	Motor
Number of poles	3P
Protected poles description	3t
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	220 A 149 °F (65 °C)
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network Frequency	50/60 Hz

Complementary

Motor tripping class	20 5 10
Complementary motor protection	Phase unbalance
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	100...220 A
Long-time protection delay adjustment type tr	Fixed

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

[tr] long-time protection delay adjustment range	120 s 1.5 x Ir 5 6.5 s 6 x Ir 5 5 s 7.2 x Ir 5 240 s 1.5 x Ir 10 13.5 s 6 x Ir 10 10 s 7.2 x Ir 10 480 s 1.5 x Ir 20 26 s 6 x Ir 20 20 s 7.2 x Ir 20
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	5...13 x Ir
Short-time protection delay adjustment type tsd	Fixed
[tsd] Short-time protection delay adjustment range	0.01 s
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	3300 A
Earth-leakage protection	Without
Zone selective interlocking ZSI	Without
Local signalling	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point

Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	CCC EAC Marine
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)

Ordering and shipping details

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3606480017445
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	3.7 in (9.5 cm)
Package 1 Length	4.3 in (11.0 cm)
Package weight(Lbs)	15.5 oz (440.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	28
Package 2 Height	11.8 in (30.0 cm)

Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	28.0 lb(US) (12.7 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	160 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	157 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

Use Better



Materials and Substances

EU RoHS Directive	Compliant with Exemptions
SCIP Number	9cd110c5-7f48-4bb3-91b8-ba77f361496d
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Circularity Profile	End of Life Information
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.