

Product datasheet

Specifications



trip unit MicroLogic 5.2 E for ComPact NSX 250 circuit breakers, electronic, rating 250A, 3 poles 3d

Local distributor code:

391355406

LV431491

⚠ **Discontinued on:** 9 Aug 2023

⚠ **Discontinued**

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.
EAN Code: 3606480017049

Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 5.2 E
Trip unit technology	Electronic
Range compatibility	ComPact NSX250
Device application	Distribution
Number of poles	3P
Protected poles description	3t
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	250 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	100...250 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

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

[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 li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...12 x In
Earth-leakage protection	Without
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 Power quality Energy metering Maximeters/minimeters Demand current and power Protection and alarm settings Time-stamped histories and event tables
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	CCC Marine EAC
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	9.8 cm
Package 1 Width	10.8 cm
Package 1 Length	15.2 cm
Package 1 Weight	560.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.647 kg

Contractual warranty

Warranty (in months)	18
----------------------	----



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	206 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	203 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

Use Better



Materials and Substances

SCIP Number	9cd110c5-7f48-4bb3-91b8-ba77f361496d
EU RoHS Directive	Compliant By Exemption

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again



Repack and remanufacture

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