

Product data sheet

Specifications



trip unit MicroLogic 5.2 E for
ComPact NSX 100/160/250 circuit
breakers, electronic, rating 100A, 4
poles 4d

LV429105

! Discontinued

! Discontinued on: Jan 2, 2024

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 5.2 E
Trip unit technology	Electronic
Range Compatibility	ComPact NSX100 ComPact NSX160 ComPact NSX250
Device Application	Distribution
Number of poles	4P
Protected poles description	3t + N/2 3t + OSN 4t 3t
Neutral position	Left
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	100 A 104 °F (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	40...100 A
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	15...400 s 1.5 x Ir 0.35...11 s 7.2 x Ir 0.5...16 s 6 x Ir

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

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
[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...15 x In
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	Energy meter
Communication of data	Instantaneous and demand values Maintenance indicators Energy metering Demand current and power Maximeters/minimeters Time-stamped histories and event tables Power quality Protection and alarm settings
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	EAC Marine CCC
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)

Ordering and shipping details

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3606480017001
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.9 in (10.0 cm)

Package 1 Width	4.3 in (11.0 cm)
Package 1 Length	6.0 in (15.2 cm)
Package weight(Lbs)	24.0 oz (680.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	11
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	17.564 lb(US) (7.967 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 >](#)

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

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.