

Product data sheet

Specifications



trip unit MicroLogic 6.3 E for ComPact NSX 630 circuit breakers, electronic, rating 630A, 4 poles 4d

LV432111

⚠ 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.

Main

Range	ComPact
Range of Product	ComPact NSX400...630
Product or Component Type	Trip unit
Trip unit name	MicroLogic 6.3 E
Trip unit technology	Electronic
Range Compatibility	ComPact NSX630
Device Application	Distribution Generator
Number of poles	4P
Protected poles description	3t + OSN 3t + N/2 4t 3t
Neutral position	Left
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rated current	630 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	250...630 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
Thermal memory	20 minutes before and after tripping

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

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	Adjustable
[tsd] Short-time protection delay adjustment range	0...0.4 s I ² t=off 0.1...0.4 s I ² t=on
Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	1.5...11 x In Compact NSX630
Ground-fault protection pick-up adjustment type Ig	Adjustable
[Ig] ground-fault protection pick-up adjustment range	0.4...1 x In In = 40 A 0.2...1 x In In > 40 A Ig enable on/off
Ground-fault protection time delay adjustment type tg	Adjustable
[tg] ground-fault protection time delay adjustment range	0...0.4 s I ² t=off 0.1...0.4 s I ² t=on
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	Time-stamped histories and event tables Maximeters/minimeters Protection and alarm settings Power quality Energy metering Instantaneous and demand values Maintenance indicators Demand current and power
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product Certifications	Marine EAC CCC
Pollution degree	3 IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
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	3606480017223
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.4 in (13.7 cm)
Package 1 Width	7.0 in (17.7 cm)
Package 1 Length	8.5 in (21.5 cm)
Package weight(Lbs)	4.023 lb(US) (1.825 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	10
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	15.7 in (40.0 cm)
Package 2 Length	23.6 in (60.0 cm)
Package 2 Weight	41.71 lb(US) (18.92 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	488 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	477 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.

Use Better



Materials and Substances

EU RoHS Directive	Compliant with Exemptions
SCIP Number	2f58816f-3353-4612-b9dd-9acce4b9465f
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

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