

Product data sheet

Specifications



trip unit MicroLogic 5.2 E for ComPact NSX 160/250 circuit breakers, electronic, rating 160A, 3 poles 3d

LV430491

⚠ To be discontinued

⚠ Discontinued on: 30 September 2022

Important message : This product has been switched to new ComPact range and is no longer commercialized. It will continue to be available until Q4 2022 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 NSX160 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	160 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 I _r (thermal protection)	Adjustable 9 settings
[I _r] long-time protection pick-up adjustment range	63...160 A
Long-time protection delay adjustment type t _r	Adjustable
[T _r] long-time protection delay adjustment range	15...400 s at 1.5 x I _r 0.35...11 s at 7.2 x I _r 0.5...16 s at 6 x I _r
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 I ² t=off 0.1...0.4 s I ² t=on
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...15 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	Demand current and power Maintenance indicators Instantaneous and demand values Energy metering Time-stamped histories and event tables Protection and alarm settings Maximeters/minimeters Power quality
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	EAC Marine CCC
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 Weight	560.0 g
Package 1 Height	9.6 cm
Package 1 width	11.0 cm
Package 1 Length	15.0 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	6.628 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

LV430491 is replaced by:



1x

Trip unit MicroLogic 5.2E, ComPacT NSX160/250, 3 poles, electronic basic protections, energy meter, 160A rating
C1635E160