

Product data sheet

Specifications



trip unit MicroLogic 6.2 E-M for ComPact NSX 100/160/250 circuit breakers, electronic, rating 80 A, 3 poles 3d

LV429180

⚠ 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 6.2 E-M
Trip unit technology	Electronic
Range compatibility	ComPact NSX100 ComPact NSX160 ComPact NSX250
Device application	Motor
Number of poles	3P
Protected poles description	3t
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	80 A at 65 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

Complementary

Motor tripping class	30 20 10 5
Complementary motor protection	Stalled rotor Protracted starting time Underload Current unbalance
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings

[Ir] long-time protection pick-up adjustment range	35...80 A
Long-time protection delay adjustment type tr	Adjustable
[Tr] long-time protection delay adjustment range	120 s at 1.5 x Ir for trip class 5 6.5 s at 6 x Ir for trip class 5 5 s at 7.2 x Ir for trip class 5 240 s at 1.5 x Ir for trip class 10 13.5 s at 6 x Ir for trip class 10 10 s at 7.2 x Ir for trip class 10 480 s at 1.5 x Ir for trip class 20 26 s at 6 x Ir for trip class 20 20 s at 7.2 x Ir for trip class 20 720 s at 1.5 x Ir for trip class 30 38 s at 6 x Ir for trip class 30 30 s at 7.2 x Ir for trip class 30
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type lsd	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 li	Fixed
[li] instantaneous protection pick-up adjustment range	1200 A
Ground-fault protection pick-up adjustment type lg	Adjustable
[lg] ground-fault protection pick-up adjustment range	0.2...1 x In for In > 50 A 0.3...1 x In for In = 50 A 0.6...1 x In for In = 25 A lg enable on/off
Ground-fault protection time delay adjustment type tg	Adjustable
[Tg] ground-fault protection time delay adjustment range	0...0.4 s
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 95 % lth (red) for temperature over set point
Display type	LCD display
Type of measurement	Energy meter
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 Weight	549.0 g
Package 1 Height	9.5 cm
Package 1 width	10.7 cm
Package 1 Length	15.0 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	6.526 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)

LV429180 is replaced by:



Trip unit MicroLogic 6.2EM, ComPacT NSX100-250, 3 poles, basic and ground fault protections, motor, energy meter, 80A
C1036M080