

Product data sheet

Characteristics

LV429172

trip unit MicroLogic 2.2 M for ComPact NSX
100/160/250 circuit breakers, electronic, rating
50 A, 3 poles 3d



Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 2.2 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	LSol
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip unit rated current	50 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	20 5 10
Complementary motor protection	Phase unbalance
Long-time pick-up adjustment type I_r (thermal protection)	Adjustable 9 settings
[I_r] long-time protection pick-up adjustment range	25...50 A
Long-time protection delay adjustment type t_r	Fixed
[t_r] long-time protection delay adjustment range	120 S at $1.5 \times I_r$ for trip class 5 6.5 S at $6 \times I_r$ for trip class 5 5 S at $7.2 \times I_r$ for trip class 5 240 S at $1.5 \times I_r$ for trip class 10 13.5 S at $6 \times I_r$ for trip class 10 10 S at $7.2 \times I_r$ for trip class 10 480 S at $1.5 \times I_r$ for trip class 20 26 S at $6 \times I_r$ for trip class 20 20 s at $7.2 \times I_r$ for trip class 20
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type I_{sd}	Adjustable 9 settings
[I_{sd}] Short-time protection pick-up adjustment range	5...13 x I_r
Short-time protection delay adjustment type t_{sd}	Fixed
[t_{sd}] Short-time protection delay adjustment range	0.01 s
Instantaneous protection pick-up adjustment type I_i	Fixed
[I_i] instantaneous protection pick-up adjustment range	750 A

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Earth-leakage protection	Without
Local signalling	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point

Environment

Standards	UL 508 EN/IEC 60947-2
Product certifications	Marine CCC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	439 g
Package 1 Height	6.4 cm
Package 1 width	9.6 cm
Package 1 Length	11.2 cm
Unit Type of Package 2	S03
Number of Units in Package 2	28
Package 2 Weight	13.089 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 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
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

Contractual warranty

Warranty	18 months
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