

Product data sheet

Characteristics

LV429101

trip unit MicroLogic 5.2 A for ComPact NSX
100/160/250 circuit breakers, electronic, rating
40A, 4 poles 4d



Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 5.2 A
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 3t 4t
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	40 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	18...40 A
Long-time protection delay adjustment type t_r	Adjustable
[t_r] long-time protection delay adjustment range	15...400 S at $1.5 \times I_r$ 0.35...11 S at $7.2 \times I_r$ 0.5...16 s at $6 \times I_r$
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	1.5...10 $\times I_r$
Short-time protection delay adjustment type t_{sd}	Adjustable
[t_{sd}] Short-time protection delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$
Instantaneous protection pick-up adjustment type I_i	Adjustable
[I_i] instantaneous protection pick-up adjustment range	1.5...15 $\times I_r$
Earth-leakage protection	Without
Neutral protection settings	0.5 $\times I_r$ (3t + N/2) 1 $\times I_r$ (4t) 1.6 $\times I_r$ (3t + OSN) No protection (3t)
Zone selective interlocking ZSI	With

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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	Ammeter
Communication of data	Maximeters/Minimeters Power quality Time-stamped histories and event tables Energy metering Demand current and power Maintenance indicators Protection and alarm settings Instantaneous and demand values
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	Marine CCC 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	690 g
Package 1 Height	10 cm
Package 1 width	11 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	7.967 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

Contractual warranty

Warranty	18 months
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