

Product data sheet

Characteristics

LV430505

trip unit MicroLogic 6.2 A for ComPact NSX
160/250 circuit breakers, electronic, rating
160A, 3 poles 3d



Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 6.2 A
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	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	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 lr (thermal protection)	Adjustable 9 settings
[lr] long-time protection pick-up adjustment range	63...160 A
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	15...400 S at 1.5 x lr 0.35...11 S at 7.2 x lr 0.5...16 s at 6 x lr
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type lsd	Adjustable 9 settings
[lsd] Short-time protection pick-up adjustment range	1.5...10 x lr
Short-time protection delay adjustment type tsd	Adjustable
[tsd] Short-time protection delay adjustment range	0...0.4 S l ² t=off 0.1...0.4 s l ² t=on
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	1.5...12 x In Compact NSX250 1.5...15 x In Compact NSX160
Ground-fault protection pick-up adjustment type lg	Adjustable
[lg] ground-fault protection pick-up adjustment range	0.2...1 x In for In = 40 A 0.4...1 x In for In > 40 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 l ² t=off 0.1...0.4 s l ² t=on
Earth-leakage protection	Without
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	Time-stamped histories and event tables Energy metering Maintenance indicators Instantaneous and demand values Demand current and power Protection and alarm settings Maximeters/Minimeters Power quality

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	534 g
Package 1 Height	9.8 cm
Package 1 width	10.8 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	6.361 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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