

Product data sheet

Characteristics

LV431505

trip unit MicroLogic 6.2 A for ComPact NSX

250 circuit breakers, electronic, rating 250A, 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 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	250 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	100...250 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...12 $\times I_n$
Ground-fault protection pick-up adjustment type I_g	Adjustable
[I_g] ground-fault protection pick-up adjustment range	0.2...1 $\times I_n$ for $I_n = 40$ A 0.4...1 $\times I_n$ for $I_n > 40$ A I_g enable on/off
Ground-fault protection time delay adjustment type t_g	Adjustable
[t_g] ground-fault protection time delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$
Earth-leakage protection	Without
Zone selective interlocking ZSI	With

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	Marine EAC 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	540 g
Package 1 Height	9.5 cm
Package 1 width	11 cm
Package 1 Length	15.2 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	6.427 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
----------	-----------