

Product data sheet

Characteristics

LV433900

trip unit MicroLogic 7.2 E AL for ComPact NSX
160/250 circuit breakers, electronic, rating
160A, 4 poles 4d



Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 7.2 E AL
Trip unit technology	Electronic
Range compatibility	ComPact NSX160 ComPact NSX250
Device application	Distribution
Number of poles	4P
Protected poles description	3t + N/2 4t 3t 3t + OSN
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	160 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

Complementary

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] 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 $1.5 \times Ir$ 0.35...11 S at $7.2 \times Ir$ 0.5...16 s at $6 \times Ir$
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...10 $\times Ir$
Short-time protection delay adjustment type tsd	Adjustable
[tsd] Short-time protection delay adjustment range	0...0.4 s
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	2400 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Class A
Earth-leakage protection sensitivity adjustment type $I_{\Delta n}$	Adjustable

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.

[$I_{\Delta n}$] earth-leakage protection sensitivity adjustment range	100 mA 3 A 30 mA 1 A 500 mA 5 A 300 mA
Earth-leakage protection specific mode	OFF using the $I_{\Delta n}$ rotary switch
Earth-leakage protection time delay adjustment type Δt	Adjustable
[Δt] Earth-leakage protection time delay adjustment range	500 Ms 60 Ms 1 S 150 Ms 0 ms
Neutral protection settings	0.5 x I_r (3t + N/2) 1 x I_r (4t) 1.6 x I_r (3t + OSN) No protection (3t)
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 105 % I_r (red) for overload LED 90 % I_r (orange) for overload
Display type	LCD display
Type of measurement	Energy meter
Communication of data	Energy metering Maintenance indicators Time-stamped histories and event tables Protection and alarm settings Instantaneous and demand values Test reports Power quality Earth leakage current Maximeters/Minimeters Demand current and power

Environment

Standards	UL 508 IEC 60947-2 NEMA AB1 EN 60947-2
Product certifications	CCC EAC CB
Pollution degree	3 conforming to IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Package 1 Weight	812.000 g
Package 1 Height	10.000 cm
Package 1 width	11.000 cm
Package 1 Length	15.000 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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