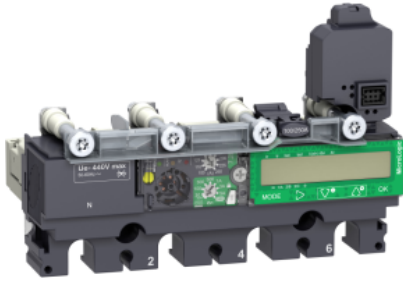


Product datasheet

Specifications



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

C1647E160

Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250 new generation
Product or component type	Control unit
Trip unit name	Micrologic 7.2 E
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX160 ComPacT new generation NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3t 4t 3t + N/2
Trip unit protection functions	LSIR
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rating	160 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Fixed

Complementary

Long-time pick-up adjustment type I_r (thermal protection)	Adjustable 9 settings
[I_r] long-time protection pick-up adjustment range	0.4...1 x I_n
Long-time protection delay adjustment type t_r	Adjustable
[T_r] long-time protection delay adjustment range	15...400 s at 1.5 x I_r 0.35...11 s at 7.2 x I_r 0.5...16 s at 6 x I_r
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 x 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	Type A
[IΔn] earth-leakage protection sensitivity adjustment range	100 mA 3 A 30 mA 1 A 5 A 500 mA 300 mA
Earth-leakage protection specific mode	OFF using the IΔn 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
Zone selective interlocking ZSI	Without
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	Energy meter
Communication of data	Maximeters/minimeters Power quality Earth leakage current Protection and alarm settings Instantaneous and demand values Energy metering Time-stamped histories and event tables Demand current and power Test reports Maintenance indicators

Environment

Standards	IEC 60947-2 UL 508 EN 60947-2 NEMA AB1
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	793.0 g
Package 1 Height	9.6 cm
Package 1 width	10.8 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Weight	8.314 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Package 3 Height	105 cm

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information

Contractual warranty

Warranty	18 months
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