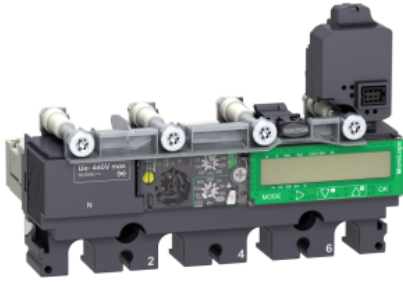


# Product datasheet

Specifications



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

C1647A160

## 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 AL
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX160 ComPacT new generation NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3t + N/2 4t 3t
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 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 <sub>r</sub> (thermal protection)	Adjustable 9 settings
[I <sub>r</sub> ] long-time protection pick-up adjustment range	0.4...1 x I <sub>n</sub>
Long-time protection delay adjustment type t <sub>r</sub>	Adjustable
[T <sub>r</sub> ] long-time protection delay adjustment range	15...400 s at 1.5 x I <sub>r</sub> 0.35...11 s at 7.2 x I <sub>r</sub> 0.5...16 s at 6 x I <sub>r</sub>
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type I <sub>sd</sub>	Adjustable

<b>[I<sub>sd</sub>] Short-time protection pick-up adjustment range</b>	1.5...10 x I <sub>r</sub>
<b>Short-time protection delay adjustment type tsd</b>	Adjustable
<b>[T<sub>sd</sub>] Short-time protection delay adjustment range</b>	0...0.4 s
<b>Instantaneous protection pick-up adjustment type li</b>	Adjustable
<b>[I<sub>i</sub>] instantaneous protection pick-up adjustment range</b>	2400 A
<b>Earth-leakage protection</b>	Integrated
<b>Earth-leakage protection class</b>	Type A
<b>[I<sub>Δn</sub>] earth-leakage protection sensitivity adjustment range</b>	100 mA 3 A 30 mA 1 A 500 mA 5 A 300 mA
<b>Earth-leakage protection specific mode</b>	OFF using the I <sub>Δn</sub> rotary switch
<b>Earth-leakage protection time delay adjustment type Δt</b>	Adjustable
<b>[Δt] Earth-leakage protection time delay adjustment range</b>	500 ms 60 ms 1 s 150 ms 0 ms
<b>Zone selective interlocking ZSI</b>	Without
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % I <sub>r</sub> (red) for overload LED 90 % I <sub>r</sub> (orange) for overload
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Energy meter
<b>Communication of data</b>	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

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
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Number of Units in Package 1	1
Package 1 Weight	792.0 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	10
Package 2 Weight	8.321 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	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

## Contractual warranty

Warranty	18 months
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