

# Product datasheet

Specifications



trip unit MicroLogic 7.3 E for ComPacT NSX 400/630 circuit breakers, electronic, rating 400A, 3 poles 3d

C4037E400

## Main

Range	ComPacT new generation
Range of product	ComPacT NSX400...630 new generation
Product or component type	Control unit
Trip unit name	Micrologic 7.3 E
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX630 ComPacT new generation NSX400
Device application	Distribution
Poles description	3P
Protected poles description	3t
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	400 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 $I_{sd}$	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>	4800 A Compact NSX630 1.5...12 x I <sub>n</sub> Compact NSX400
<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>	500 mA 3 A 1 A 10 A 300 mA 5 A
<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>	150 ms 1 s 500 ms 60 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>	Maximeters/minimeters Maintenance indicators Power quality Test reports Energy metering Protection and alarm settings Demand current and power Earth leakage current Instantaneous and demand values Time-stamped histories and event tables

## Environment

<b>Standards</b>	UL 508 EN 60947-2 NEMA AB1 IEC 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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<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	1.862 kg
<b>Package 1 Height</b>	17 cm
<b>Package 1 width</b>	21 cm
<b>Package 1 Length</b>	25 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	2
<b>Package 2 Weight</b>	4.116 kg
<b>Package 2 Height</b>	30 cm
<b>Package 2 width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 3 Height</b>	105 cm

## Offer Sustainability

<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

## Contractual warranty

<b>Warranty</b>	18 months
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