

# Product datasheet

Specifications



trip unit MicroLogic 5.2 E for  
ComPacT NSX 100/160/250 circuit  
breakers, electronic, rating 100A, 4  
poles 4d

C1045E100

EAN Code: 3606482000100

## Main

Range	ComPacT
Range of product	ComPacT NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 5.2 E
Trip unit technology	Electronic
Range compatibility	ComPacT NSX100 ComPacT NSX160 ComPacT NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3D + N/2 4D 3D + OSN 3D
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 rating	100 A at 40 °C
[Ue] rated operational voltage	690 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	40...100 A
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>
Neutral protection settings	0.5 x I <sub>r</sub> (3D + N/2) 1 x I <sub>r</sub> (4D) 1.6 x I <sub>r</sub> (3D + OSN) No protection (3D)

Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings
[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 I <sub>t</sub> <sup>off</sup> 0.1...0.4 s I <sub>t</sub> <sup>on</sup>
Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	1.5...15 x In
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
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	Energy metering Protection and alarm settings Time-stamped histories and event tables Instantaneous and demand values Maintenance indicators Demand current and power Power quality Maximeters/minimeters
Electrical data recording	Maintenance indicators

## Environment

Standards	EN/IEC 60947-2
Electrical shock protection class	Class II
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 Height	9.500 cm
Package 1 Width	11.000 cm
Package 1 Length	15.000 cm
Package 1 Weight	668.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm

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Package 2 Weight 7.748 kg

## Logistical informations

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Country of origin FR

## Contractual warranty

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Warranty 18 months



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 19

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 9cd110c5-7f48-4bb3-91b8-ba77f361496d

REACH Regulation [REACH Declaration](#)

PVC free Yes

Silicone-free No

## Use Longer

### Lifetime extension

Updatability Yes

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins