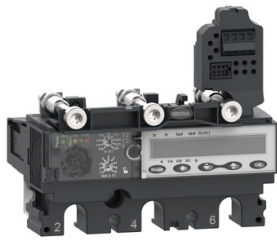


# Product datasheet

Specifications



## Trip unit MicroLogic 5.2AZ, ComPacT NSX100/160/250, 3 poles, electronic basic protections, special applications, 100A

C1035Z100

⚠ To be discontinued

⚠ Discontinued on: 01 Dec 2024

### Main

Range	ComPacT
Range of product	ComPacT NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 5.2 A-Z
Trip unit technology	Electronic
Range compatibility	ComPacT NSX100 ComPacT NSX160 ComPacT NSX250
Device application	16 Hz 2/3 networks
Poles description	3P
Protected poles description	3D
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	250/500 V AC 16 Hz 2/3
Circuit breaker mounting mode	Fixed

### Complementary

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	40...100 A
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	15...400 s at 1.5 x Ir 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir
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 <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
Instantaneous protection pick-up adjustment type Ii	Adjustable

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>[I] instantaneous protection pick-up adjustment range</b>	1.5...12 x In
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	With
<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>	Ammeter
<b>Communication of data</b>	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
<b>Electrical data recording</b>	Maintenance indicators

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Electrical shock protection class</b>	Class II
<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
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	9.000 cm
<b>Package 1 Width</b>	11.000 cm
<b>Package 1 Length</b>	15.000 cm
<b>Package 1 Weight</b>	547.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	11
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	6.437 kg
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	88
<b>Package 3 Height</b>	45.000 cm
<b>Package 3 Width</b>	80.000 cm
<b>Package 3 Length</b>	120.000 cm
<b>Package 3 Weight</b>	63.496 kg

# Contractual warranty

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Warranty (in months)

18



## 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	18 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	9cd110c5-7f48-4bb3-91b8-ba77f361496d
REACH Regulation	<a href="#">REACH Declaration</a>
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

## Use Longer



### Lifetime extension

Repair	No
Updatability	Yes

## Use Again



### Repack and remanufacture

Recyclability potential, in %	58
End of life manual availability	<a href="#">End of Life Information</a>
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

