

Product datasheet

Specifications



Circuit breaker ComPacT NSX100HB1, 75kA at 690VAC, MicroLogic 2.2 trip unit 100A, 4 poles 4d

C10V42D100

⚠ To be discontinued

⚠ Discontinued on: 1 Dec 2024

Packing Units

| | |
|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 14.000 cm |
| Package 1 Width | 15.000 cm |
| Package 1 Length | 20.000 cm |
| Package 1 Weight | 2.420 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 10.100 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 32 |
| Package 3 Height | 45.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 120.000 cm |
| Package 3 Weight | 92.800 kg |

Contractual warranty

| | |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.



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 | 99 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 19 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.7 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 76 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 4 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|--|--|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 811c5f45-220d-4e22-b512-f9d771b72680 |
| EU RoHS Directive | Compliant By Exemption |
| REACH Regulation | Reference contains Substances of Very High Concern above the threshold |
| Halogen-free status | Product contains halogen above thresholds |
| PVC free | Yes |
| Silicone-free | No |

Use Longer



Lifetime extension

| | |
|--------------|----|
| Repair | No |
| Updatibility | No |

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| Recyclability potential, in % | 54 |
| End of life manual availability | End of Life Information |
| Take-back | Nej |

WEEE Label



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

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



ComPacT NSX
Range Accessories

Wireless auxiliary contact

Short terminal shield

Interphase barriers

Long terminal shield

Rotary handles

Standard auxiliary contact

MN undervoltage release

MX shunt release

Standard motor mechanism module

The image displays a collection of nine accessories for the ComPacT NSX circuit breaker range. Each accessory is shown with a small photograph and a corresponding text label. The accessories include: a wireless auxiliary contact (green and black), a short terminal shield (black), interphase barriers (black), a long terminal shield (black), rotary handles (black and green), a standard auxiliary contact (grey), an MN undervoltage release (black), an MX shunt release (yellow and black), and a standard motor mechanism module (black).

Offer Marketing Illustration

Product benefits / Features

ComPacT NSX Moulded Case Circuit Breaker



Protection begins with prevention

Designed to prevent an electrical fire through integrated earth leakage protection with preventive maintenance thanks to its Everlink power connections.



Maximize power availability

By providing corrective, preventive, and predictive maintenance for asset management thanks to our advanced MicroLogic trip units.



Connectivity

Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.



Offer Marketing Illustration

Product benefits / Features



The image shows a ComPacT NSX circuit breaker, a compact industrial device with a black plastic housing and a green front panel. It features a central handle and several terminals on top and bottom. The device is set against a green circular background on the left side of the slide.

ComPacT NSX

Technical Benefits

- Nominal current: 16 to 630 A and 9 breaking capacities for the 2 sizes of circuit breakers
- 1, 2, 3, and 4 pole versions available
- Large range of electronic and thermal-magnetic protections
- Plug and ready wiring system and communicating accessories
- Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)
- Advanced trip unit with integrated power metering: I, U, P, E, THD, f, CosPhi

Technical Illustration

Assembly's dimensions

