

Product datasheet

Specifications



Circuit breaker basic frame, ComPacT NSX250B, 25kA/415VAC, 3 poles, 250A frame rating, without trip unit

C25B3

Main

Range	ComPacT
product name	ComPacT NSX
Device short name	NSX250B
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	250 A at 40 °C
[Ue] rated operational voltage	690 V CA 50/60 Hz conforming to IEC 60947-2
Network type	CA
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	15 kA Icu at 500 V CA 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V CA 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380/415 V CA 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 220/240 V CA 50/60 Hz conforming to IEC 60947-2
Performance level	B 25 kA 415 V CA
control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V CA 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	20 kA at 440 V CA 50/60 Hz conforming to IEC 60947-2 25 kA at 380/415 V CA 50/60 Hz conforming to IEC 60947-2 40 kA at 220/240 V CA 50/60 Hz conforming to IEC 60947-2 15 kA at 500 V CA 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles conforming to IEC 60947-2
Electrical durability	10000 cycles 440 V CA 50/60 Hz In conforming to IEC 60947-2 10000 cycles 690 V CA 50/60 Hz In/2 conforming to IEC 60947-2 20000 cycles 440 V CA 50/60 Hz In/2 conforming to IEC 60947-2 5000 cycles 690 V CA 50/60 Hz In conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front

Connection pitch	35 mm
Protection type	Without protection
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	EN/IEC 60947-2 UL 60947-4-1
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.000 cm
Package 1 Width	14.000 cm
Package 1 Length	19.500 cm
Package 1 Weight	1.494 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.837 kg
Unit Type of Package 3	P12
Number of Units in Package 3	56
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	94.696 kg

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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **251**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Recycled metal content at CR level **0**

Packaging made with recycled cardboard **No**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **206b752d-15ab-4228-8cd8-4e338f718b28**

REACH Regulation [REACH Declaration](#)

Halogen content performance **Product contains halogen above thresholds**

PVC free **Yes**

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back **No**

WEEE  **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



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 accessories for the ComPacT NSX range. At the top left, a green circular graphic partially overlaps a main product image. Below this, the title 'ComPacT NSX Range Accessories' is centered. A grid of nine individual accessory images is shown, each with a corresponding label: 'Wireless auxiliary contact' (a small green component), 'Short terminal shield' (a black rectangular shield), 'Interphase barriers' (a black vertical barrier), 'Long terminal shield' (a larger black rectangular shield), 'Rotary handles' (a black handle with a green knob), 'Standard auxiliary contact' (a grey component with two terminals), 'MN undervoltage release' (a black component with a white label), 'MX shunt release' (a grey component with a yellow label), and 'Standard motor mechanism module' (a black component with a red button and a handle).

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



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

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.

