

Product datasheet

Specifications



Circuit breaker basic frame, ComPacT NSX400F, 36kA/415VAC, 3 poles, 400A frame rating, without trip unit

C40F3

Main

Range	ComPacT
product name	ComPacT NSX
Device short name	NSX400F
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	400 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	85 kA at 240 V CA 50/60 Hz conforming to UL 508 25 kA Icu at 500 V CA 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V CA 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 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 35 kA at 480 V CA 50/60 Hz conforming to UL 508 20 kA at 600 V CA 50/60 Hz conforming to UL 508 20 kA Icu at 525 V CA 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 440 V CA 50/60 Hz conforming to IEC 60947-2
Performance level	F 36 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	36 kA at 380/415 V CA 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 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 10 kA at 525 V CA 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V CA 50/60 Hz conforming to IEC 60947-2 30 kA at 440 V CA 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles conforming to IEC 60947-2
Electrical durability	12000 cycles 440 V CA 50/60 Hz In/2 conforming to IEC 60947-2 3000 cycles 690 V CA 50/60 Hz In conforming to IEC 60947-2 6000 cycles 440 V CA 50/60 Hz In conforming to IEC 60947-2 6000 cycles 690 V CA 50/60 Hz In/2 conforming to IEC 60947-2

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Protection type	Without protection
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 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	15.100 cm
Package 1 Width	15.700 cm
Package 1 Length	29.100 cm
Package 1 Weight	4.417 kg
Unit Type of Package 2	P12
Number of Units in Package 2	36
Package 2 Height	42.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	172.000 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) 270

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Recycled metal content at CR level 0

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 5c8b3f64-d41d-441f-90cc-da32d0570283

REACH Regulation [REACH Declaration](#)

Halogen content performance Halogen free plastic parts product

PVC free Yes

Silicon free No

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, nine individual accessories are arranged in a 3x3 grid, each with a small image and a 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



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.

