Product datasheet

Specifications

Circuit breaker basic frame, ComPacT NSX630F, 36kA at 415VAC 50/60 Hz, 630A, without trip unit, 4 poles

C63F4

Main

Range	ComPacT
product name	ComPacT NSX
Device short name	NSX630F
Product or component type	Basic frame
Device application	Distribution
Poles description	4P
Neutral position	Left
[In] rated current	630 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
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 AC 50/60 Hz conforming to UL 508 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 480 V AC 50/60 Hz conforming to UL 508 20 kA at 600 V AC 50/60 Hz conforming to UL 508 20 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	F 36 kA 415 V AC
control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 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 AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles conforming to IEC 60947-2

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

Electrical durability	6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2
	2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2
	4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
	8000 cycles 440 V AC 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)	185 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	20.100 cm
Package 1 Length	29.200 cm
Package 1 Weight	5.958 kg
Unit Type of Package 2	X12
Number of Units in Package 2	28
Package 2 Height	60.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	181.000 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)	**500**
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**