Product datasheet

Specifications

circuit breaker basic frame, ComPacT NSX630H, 70 kA at 415 VAC 50/60 Hz, 630 A, without trip unit, 3 poles

C63H3

EAN Code: 3606482002982

Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX630H
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[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
Breaking capacity	85 kA at 240 V AC 50/60 Hz conforming to UL 508 65 kA at 480 V AC 50/60 Hz conforming to UL 508 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to UL 508
Breaking capacity code	H 70 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 breaking capacity	11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles conforming to IEC 60947-2
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)	140 mm
Height (H)	255 mm
Depth (D)	110 mm

Environment

Standards	EN/IEC 60947-2 UL 60947-4-1
Overvoltage category	III
Electrical shock protection class	Class II on front face
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	15.600 cm
Package 1 Length	29.300 cm
Package 1 Weight	4.574 kg
Unit Type of Package 2	P12
Number of Units in Package 2	36
Package 2 Height	43.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	178.650 kg

Logistical informations

Country of origin	IT

Contractual warranty

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	**488 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**29 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.7 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.5 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**449 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**9 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**5c8b3f64-d41d-441f-90cc-da32d0570283**
REACh Regulation	**REACh Declaration**
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**56**
End of life manual availability	**End of Life Information**
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**

Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

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Product benefits / Features