Product datasheet

Specifications



circuit breaker Compact NS1600H - 1600 A - 3 poles - fixed - without trip unit

33311

Price: 24,945.00 HKD

Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
Device short name	Compact NS1600H
Product or component type	Basic frame
Device application	Distribution
Number of poles	3P
[In] rated current	1600 A at 50 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category B
Breaking capacity	70 kA Icu at 220/240 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 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	H 70 kA 415 V AC
Control type	Electrically operated
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	1000 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	37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)
[Icw] rated short-time withstand current	19.2 kA 1 s conforming to IEC 60947-2
Integral instant protection	40 kA
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 1000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 2000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 2000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Power losses	74 W

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting support	Backplate
Connection pitch	70 mm
Protection type	Without protection
Height (H)	224 mm
Width (W)	210 mm
Depth (D)	182 mm

Environment

Standards	IEC 60947-2
Product certifications	ASTA LCIE ASEFA
Overvoltage category	III
Electrical shock protection class	Class II on front face
Pollution degree	3 conforming to IEC 60947
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for storage	-50…85 °C
Ambient air temperature for operation	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.000 cm
Package 1 Width	40.000 cm
Package 1 Length	40.000 cm
Package 1 Weight	20.699 kg
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Height	45.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	136.194 kg

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	**1 713 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**290 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**6 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**3 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 385 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**30 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**21550c2a-6c05-4d3d-8388-9ca38a81a60f**
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**

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**