

Product datasheet

Specifications



Circuit breaker frame, ComPacT
NS1600N, 50kA at 415VAC, 1600A,
3P, drawout, manually operated,
without control unit

C160N3WM

EAN Code: 3606482098480

Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
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
[Icu] rated ultimate short-circuit breaking capacity	85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	N 50 kA 415 V AC
control type	Manually operated
Mounting mode	Withdrawable

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	37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[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	1000 cycles 690 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 2000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Power losses	154 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)	327 mm
Width (W)	210 mm
Depth (D)	147 mm

Environment

Standards	IEC 60947-2
Product certifications	IECEE CB Scheme
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 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	2.0 cm
Package 1 Width	1.0 cm
Package 1 Length	2.0 cm
Package 1 Weight	10.0 g

Logistical informations

Country of origin	IT
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Contractual warranty

Warranty	18 months
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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)	2850
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	3be14b62-7f55-4895-ad19-c7e3c390fbc0
REACH Regulation	REACH Declaration
Halogen content performance	Product contains halogen above thresholds
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