Product datasheet

Specifications



circuit breaker Compact NS1600bN - 1600 A - 3 poles - fixed - without trip unit

34000

Discontinued on: 30 Sep 2024

Discontinued

Main

Range	ComPact
Range of product	ComPact NS1600b...3200
Device short name	Compact NS1600bN
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 A
Breaking capacity	85 kA Icu at 220/240 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 65 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N 50 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	65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 65 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 65 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 52 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 65 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)
[Icw] rated short-time withstand current	32 kA 3 s conforming to IEC 60947-2
Integral instant protection	130 kA
Mechanical durability	5000 cycles conforming to IEC 60947-2
Electrical durability	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 3000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2

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

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

Power losses	84 W
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	115 mm
Protection type	Without protection
Height (H)	350 mm
Width (W)	420 mm
Depth (D)	160 mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA LCIE ASTA
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	43.0 cm
Package 1 Width	60.0 cm
Package 1 Length	80.0 cm
Package 1 Weight	41.993 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 >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**038346ff-cba9-49ab-81f2-8ec5a11bc3c6**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**