

# Product data sheet

Specifications



circuit breaker basic frame,  
ComPact NS1600bN, 50 kA at  
415 VAC, 1600 A, fixed, manually  
operated, without trip unit, 4 P

34003

## 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	4P
Neutral position	Left
[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
[Icu] rated ultimate short-circuit 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
Performance level	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 short-circuit 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

<b>Mechanical durability</b>	5000 cycles conforming to IEC 60947-2
<b>Electrical durability</b>	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
<b>Power losses</b>	84 W
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	115 mm
<b>Protection type</b>	Without protection
<b>Height (H)</b>	350 mm
<b>Width (W)</b>	535 mm
<b>Depth (D)</b>	160 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product certifications</b>	ASEFA LCIE ASTA
<b>Pollution degree</b>	3 conforming to IEC 60947
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	51.153 kg
<b>Package 1 Height</b>	45 cm
<b>Package 1 width</b>	60 cm
<b>Package 1 Length</b>	80 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>PVC free</b>	Yes

**California proposition 65**

WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Contractual warranty****Warranty**

18 months