

# Product datasheet

Specifications



## circuit breaker Compact NS1600N - 1600 A - 3 poles - drawout - without trip unit

33410

### Main

Range	ComPact
Range Of Product	ComPact NS630b...1600
Device Short Name	Compact NS1600N
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	30 kA Icu at 660/690 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 50 kA Icu at 220/240 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
Performance Level	N 50 kA 415 V AC
Control Type	Motor mechanism Motor mechanism with external connector
Mounting Mode	Drawout

### 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 Short-Circuit Breaking Capacity	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) 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)
[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

<b>Power Losses</b>	154 W
<b>Mounting Support</b>	Backplate
<b>Connection Pitch</b>	70 mm
<b>Protection Type</b>	Without protection
<b>Height (H)</b>	327 mm
<b>Width (W)</b>	210 mm
<b>Depth (D)</b>	147 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product Certifications</b>	ASTA LCIE ASEFA
<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 Height</b>	25.0 cm
<b>Package 1 Width</b>	40.0 cm
<b>Package 1 Length</b>	40.0 cm
<b>Package 1 Weight</b>	23.874 kg

## Contractual warranty


<b>Warranty</b>	12 months
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## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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## Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

 Pvc Free

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

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