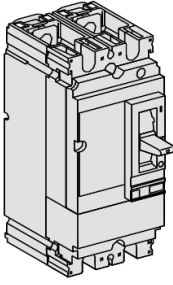


# Product datasheet

Specifications



## circuit breaker Compact NS250N - TMD - 200 A - 1 pole 1d

31581

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

### Main

Range of product	Compact NS100...630
Product or component type	Circuit breaker
Device short name	Compact NS250N
Circuit breaker name	Compact NS250N
Device application	Distribution
Poles description	1P
Protected poles description	1t
Network type	DC AC
Network frequency	50/60 Hz
[In] rated current	220 A at 65 °C 250 A at 40 °C
[U <sub>i</sub> ] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[U <sub>e</sub> ] rated operational voltage	277 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N
Breaking capacity	25 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 25 kA at 277 V AC 50/60 Hz conforming to NEMA AB1 HIC 25 kA Icu at 220 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 277 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service breaking capacity	25 kA at 220 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 277 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	200 A at 40 °C
Protection type	Short-circuit protection (magnetic) Overload protection (thermal)
Pollution degree	3 conforming to IEC 60947

### Complementary

Control type	Toggle
Mounting mode	Fixed

<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Mechanical durability</b>	10000 cycles
<b>Electrical durability</b>	10000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2
<b>Connection pitch</b>	35 mm
<b>Local signalling</b>	Positive contact indication
<b>Long time pick-up adjustment type Ir</b>	Fixed
<b>Long time pick-up adjustment range</b>	0.8...1 x In
<b>Instantaneous pick-up adjustment type Ii</b>	Adjustable
<b>Instantaneous pick-up adjustment range</b>	5...10 x In
<b>Height</b>	161 mm
<b>Width</b>	35 mm
<b>Depth</b>	86 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product certifications</b>	ASTA LCIE KEMA ASEFA
<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

## Contractual warranty

<b>Warranty (in months)</b>	18
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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 >](#)

### 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