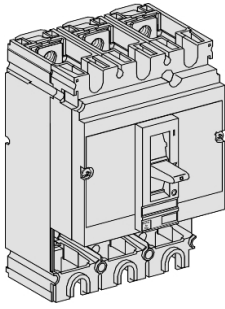


# Product datasheet

Specifications



## circuit breaker Compact NS250DC - 250 A - 3 poles - fixed - without trip unit

31416

! Discontinued

### Main

Range of product	Compact NS100...630
Product or component type	Basic frame
Device short name	Compact NS250DC
Circuit breaker name	Compact NS250DC
Poles description	3P
Network type	DC
Control type	Toggle
[In] rated current	250 A at 40 °C
[Ui] rated insulation voltage	800 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ue] rated operational voltage	750 V DC conforming to IEC 60947-2
Breaking capacity	100 kA Icu at 250 V DC 1P conforming to IEC 60947-2 100 kA Icu at 48/125 V DC 1P conforming to IEC 60947-2 100 kA Icu at 500 V DC 2P conforming to IEC 60947-2 100 kA Icu at 750 V DC 3P conforming to IEC 60947-2
[Ics] rated service breaking capacity	100 kA at 250 V DC conforming to IEC 60947-2 (1P) 100 kA at 48/125 V DC conforming to IEC 60947-2 (1P) 100 kA at 500 V DC conforming to IEC 60947-2 (2P) 100 kA at 750 V DC conforming to IEC 60947-2 (3P)
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Pollution degree	3 conforming to IEC 60947

### Complementary

Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Protection type	Without protection
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	10000 cycles 250 V DC In/2 conforming to IEC 60947-2 10000 cycles 500 V DC In/2 conforming to IEC 60947-2 10000 cycles 750 V DC In/2 conforming to IEC 60947-2 5000 cycles 250 V DC In conforming to IEC 60947-2 5000 cycles 500 V DC In conforming to IEC 60947-2 5000 cycles 750 V DC In conforming to IEC 60947-2

<b>Connection pitch</b>	35 mm
<b>Maximum breaking time</b>	10 ms
<b>Height</b>	161 mm
<b>Width</b>	105 mm
<b>Depth</b>	86 mm

## Environment

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