

Product datasheet

Specifications



circuit breaker Compact NSC100N - TMD - 20 A - 3 poles

28121

⚠ Discontinued on: 2 Sept 2020

⚠ Discontinued

Main

Range of product	Compact
Range	ComPact
Product name	Compact NSC
Device short name	Compact NSC100N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	100 A at 40 °C
[Ui] rated insulation voltage	750 V conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ue] rated operational voltage	250 V DC conforming to IEC 60947-2 690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N
Breaking capacity	10 kA at 600 V AC 50/60 Hz conforming to UL 508 18 kA at 480 V AC 50/60 Hz conforming to UL 508 42 kA at 240 V AC 50/60 Hz conforming to UL 508 10 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 18 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 18 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA Icu at 125 V DC conforming to IEC 60947-2 5 kA Icu at 250 V DC 2P 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	20 A
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)

Complementary

Control type	Toggle
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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

Mounting support	DIN rail
Upside connection	Front
Downside connection	Front
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 440 V In/2 conforming to IEC 60947-2 7000 cycles 440 V In conforming to IEC 60947-2
Magnetic tripping current	600 A
Earth-leakage protection	With
Height	120 mm
Width	90 mm
Depth	80 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	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 Better

Materials and Packaging

EU RoHS Directive

[Compliant](#)

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