

# Product datasheet

Specifications



## circuit breaker Compact NR100 F - TMD - 16 A - 4 poles 3d

29139

⚠ Discontinued on: 1 Nov 2020

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### Main

Range of product	NR100...250
Product or component type	Circuit breaker
Product name	Compact NR
Device short name	Compact NR100F
Device application	Distribution
Poles description	4P
Protected poles description	3t
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 A at 40 °C
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
[Ue] rated operational voltage	500 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	F
Breaking capacity	20 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 35 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	15 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 11.25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 18.75 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 26.25 kA at 220/240 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	16 A at 40 °C
Protection type	Overload protection (long time)
Pollution degree	3 conforming to IEC 60529

### Complementary

<b>Control type</b>	Toggle
<b>Mounting mode</b>	Fixed
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Mechanical durability</b>	25000 cycles
<b>Electrical durability</b>	Category A: 10000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2
<b>Connection pitch</b>	35 mm
<b>Local signalling</b>	Positive contact indication
<b>Neutral protection setting</b>	No protection
<b>Long time pick-up adjustment type I<sub>r</sub></b>	Adjustable
<b>Long time pick-up adjustment range</b>	0.8...1 x I <sub>n</sub>
<b>Instantaneous pick-up adjustment type II</b>	Fixed
<b>Instantaneous pick-up adjustment range</b>	190 A
<b>Height</b>	161 mm
<b>Width</b>	140 mm
<b>Depth</b>	86 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product certifications</b>	KEMA LCIE ASEFA ASTA
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 60529
<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