

# Product datasheet

Specifications



## circuit breaker NG160N - TMD - 80 A - 3 poles 3d

28623

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

### Main

Range of product	NG160
Product or component type	Circuit breaker
Device short name	NG160N
Circuit breaker name	NG160N
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	80 A at 40 °C
Breaking capacity code	N
Breaking capacity	10 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 16 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 40 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	30 kA at 220/240 V AC 50/60 Hz 7.5 kA at 500 V AC 50/60 Hz 12 kA at 440 V AC 50/60 Hz 18.75 kA at 380/415 V AC 50/60 Hz
Suitability for isolation	Yes
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	80 A
Protection type	Short-circuit protection (magnetic) Overload protection (thermal)

### Complementary

Control type	Toggle
Mounting mode	Clipped
Mounting support	35 mm symmetrical DIN rail
Upside connection	Front
Downside connection	Front
Connections - terminals	Tunnel type terminals
Mechanical durability	10000 cycles

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<b>Electrical durability</b>	5000 cycles 440 V
<b>Local signalling</b>	ON/OFF indication
<b>Magnetic tripping current</b>	800 A
<b>Long time pick-up adjustment type Ir</b>	Fixed
<b>Earth-leakage protection</b>	Separate block
<b>Height</b>	120 mm
<b>Width</b>	90 mm
<b>Depth</b>	82.5 mm
<b>Product compatibility</b>	Single terminal

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## Environment

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<b>Standards</b>	IEC 60947-3
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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

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## Contractual warranty

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<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 Better



#### Materials and Substances

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