

# Product data sheet

Specifications



## circuit breaker NG160H - TMD - 100 A - 3 poles 3d

28642

⚠ Discontinued on: Sep 8, 2020

⚠ Discontinued

### Main

|                                       |                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product                      | NG160                                                                                                                                                                                                                                                    |
| Product Or Component Type             | Circuit breaker                                                                                                                                                                                                                                          |
| Device Short Name                     | NG160H                                                                                                                                                                                                                                                   |
| Circuit Breaker Name                  | NG160H                                                                                                                                                                                                                                                   |
| Device Application                    | Distribution                                                                                                                                                                                                                                             |
| Poles Description                     | 3P                                                                                                                                                                                                                                                       |
| Protected Poles Description           | 3t                                                                                                                                                                                                                                                       |
| Network Type                          | AC                                                                                                                                                                                                                                                       |
| Network Frequency                     | 50/60 Hz                                                                                                                                                                                                                                                 |
| [In] Rated Current                    | 100 A at 40 °C                                                                                                                                                                                                                                           |
| Breaking Capacity Code                | H                                                                                                                                                                                                                                                        |
| Breaking Capacity                     | 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>22 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity | 27 kA at 380/415 V AC 50/60 Hz<br>37.5 kA at 220/240 V AC 50/60 Hz<br>11.25 kA at 500 V AC 50/60 Hz<br>16.5 kA at 440 V AC 50/60 Hz                                                                                                                      |
| Suitability For Isolation             | Yes                                                                                                                                                                                                                                                      |
| Trip Unit Name                        | TM-D                                                                                                                                                                                                                                                     |
| Trip Unit Technology                  | Thermal-magnetic                                                                                                                                                                                                                                         |
| Trip Unit Rating                      | 100 A                                                                                                                                                                                                                                                    |
| Protection Type                       | Short-circuit protection (magnetic)<br>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               |

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

|                                      |                   |
|--------------------------------------|-------------------|
| Electrical Durability                | 5000 cycles 440 V |
| Local Signalling                     | ON/OFF indication |
| Magnetic Tripping Current            | 1000 A            |
| Long Time Pick-Up Adjustment Type Ir | Fixed             |
| Earth-Leakage Protection             | Separate block    |
| Height                               | 120 mm            |
| Width                                | 90 mm             |
| Depth                                | 82.5 mm           |
| Product Compatibility                | Single terminal   |

## Environment

|           |             |
|-----------|-------------|
| Standards | IEC 60947-3 |
|-----------|-------------|

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 16 cm    |
| Package 1 Width              | 10 cm    |
| Package 1 Length             | 12.5 cm  |
| Package 1 Weight             | 1.151 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

### Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

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