

# Product datasheet

## Specifications



## M9 - ID - RCCB - 2P - 32A - AC type - 100mA

M9R12232-S

### Main

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Range                               | M9                                      |
| Product name                        | M9 ID                                   |
| Product or component type           | Residual current circuit breaker (RCCB) |
| Device short name                   | ID                                      |
| Device application                  | Distribution                            |
| Poles description                   | 2P                                      |
| Neutral position                    | Left                                    |
| Line rated current                  | 32 A                                    |
| Network type                        | AC                                      |
| Earth-leakage sensitivity           | 100 mA                                  |
| Earth-leakage protection time delay | Instantaneous                           |
| Earth-leakage protection class      | Type AC                                 |
| Standards                           | IEC/EN 61008-1                          |
| Product certifications              | CE                                      |

### Complementary

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Network frequency                       | 50 Hz                                       |
| [Ue] rated operational voltage          | 220...240 V AC 50 Hz                        |
| Residual current tripping technology    | Voltage independent                         |
| Rated breaking and making capacity      | I <sub>Δm</sub> 500 A EN/IEC 61008-1        |
| Rated conditional short-circuit current | I <sub>nc</sub> 10 kA                       |
| [Ui] rated insulation voltage           | 440 V AC 50 Hz conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage  | 6 kV conforming to IEC/EN 60947-2           |
| Surge current                           | 250 A                                       |
| Contact position indicator              | Yes                                         |
| Control type                            | Toggle                                      |
| Local signalling                        | ON, OFF, fault trip                         |
| Mounting mode                           | Clip-on                                     |

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|                         |                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting support        | 35 mm symmetrical DIN rail                                                                                                                                  |
| 9 mm pitches            | 4                                                                                                                                                           |
| Height                  | 81 mm                                                                                                                                                       |
| Width                   | 36 mm                                                                                                                                                       |
| Depth                   | 72 mm                                                                                                                                                       |
| Product weight          | 192 gr                                                                                                                                                      |
| Color                   | Grey                                                                                                                                                        |
| Mechanical durability   | 10,000 cycles                                                                                                                                               |
| Electrical durability   | 2,000 cycles                                                                                                                                                |
| Locking options         | Padlocking device                                                                                                                                           |
| Connections - terminals | Tunnel type terminal top or bottom 1 to 16 mm <sup>2</sup> - rigid<br>Tunnel type terminal top or bottom 1 to 10 mm <sup>2</sup> - flexible or with ferrule |
| Wire stripping length   | 15 mm top or bottom connection                                                                                                                              |
| Tightening torque       | 3.5 N.m top or bottom                                                                                                                                       |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3 conforming to IEC/EN 60947-2                                                   |
| Electromagnetic compatibility         | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1                    |
| Tropicalization                       | 2 conforming to IEC 60068-1                                                      |
| Relative humidity                     | 95% at 55 °C                                                                     |
| Ambient air temperature for operation | -5...40 °C                                                                       |
| Ambient air temperature for storage   | -40...60 °C                                                                      |

## Order and shipping

|                              |         |
|------------------------------|---------|
| Unit type of package 1       | SA7     |
| Number of units in package 1 | 1       |
| Package 1 height             | 8.5 cm  |
| Package 1 width              | 3.8 cm  |
| Package 1 length             | 9.5 cm  |
| Package 1 weight             | 215 gr  |
| Unit type of package 2       | GB2     |
| Number of units in package 2 | 100     |
| Package 2 height             | 19 cm   |
| Package 2 width              | 40 cm   |
| Package 2 length             | 50 cm   |
| Package 2 weight             | 22.5 kg |

## Contractual warranty

24 months