

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Resi9, 1P, 16A, C curve, 3000A (IEC/EN 60898-1)

R9F64116

### Main

|                           |  |
|---------------------------|--|
| Range                     | Resi9  |
| Product name              | Resi9 MCB  |
| Product or component type | Miniature circuit-breaker                                    |
| Device application        | Distribution   |
| Poles description         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 16 A at 30 °C  |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 3000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Standards                 | EN/IEC 60898-1   |
| Product certifications    | CEBEC  |

### Complementary

|  |                                |
|--|--------------------------------|
| Network frequency                                | 50/60 Hz                       |
| [Ue] rated operational voltage                   | 230 V AC 50/60 Hz              |
| Magnetic tripping limit                          | 5...10 x In                    |
| Limitation class                                 | 3 conforming to EN/IEC 60898-1 |
| [Ui] rated insulation voltage                    | 440 V AC 50/60 Hz              |
| [Uimp] rated impulse withstand voltage           | 4 kV                           |
| Control type                                     | Toggle                         |
| Local signalling                                 | ON/OFF indication              |
| Mounting mode                                    | Clip-on                        |
| Mounting support                                 | DIN rail                       |
| Comb busbar and distribution block compatibility | Bottom: biconnect              |
| 9 mm pitches                                     | 2                              |
| Height   | 85 mm                          |

|                                    |  |
|------------------------------------|--|
| <b>Width</b>                       | 18 mm  |
| <b>Depth</b>                       | 75 mm  |
| <b>Product weight</b>              | 0.106 kg   |
| <b>Colour</b>                      | White  |
| <b>Mechanical durability</b>       | 20000 cycles   |
| <b>Electrical durability</b>       | 10000 cycles AC 50/60 Hz conforming to EN/IEC 60898-1  |
| <b>Locking options description</b> | Padlock in OFF position  |
| <b>Connections - terminals</b>     | Tunnel type terminals (top or bottom) - <= 35 mm <sup>2</sup> - rigid<br>Tunnel type terminals (top or bottom) - <= 25 mm <sup>2</sup> - flexible with ferrule<br>Tunnel type terminals (top or bottom) - <= 25 mm <sup>2</sup> - flexible |
| <b>Wire stripping length</b>       | 14 mm for top or bottom connection   |
| <b>Tightening torque</b>           | 2 N.m top or bottom  |
| <b>Earth-leakage protection</b>    | Without  |

## Environment

|  |  |
|--|--|
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| <b>Pollution degree</b>                      | 2 conforming to EN/IEC 60898-1   |
| <b>Overvoltage category</b>                  | III  |
| <b>Ambient air temperature for operation</b> | -25...60 °C  |
| <b>Ambient air temperature for storage</b>   | -40...80 °C  |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 1.8 cm    |
| <b>Package 1 Width</b>              | 7.5 cm    |
| <b>Package 1 Length</b>             | 8.5 cm    |
| <b>Package 1 Weight</b>             | 106 g     |
| <b>Unit Type of Package 2</b>       | BB1       |
| <b>Number of Units in Package 2</b> | 12        |
| <b>Package 2 Height</b>             | 8.5 cm    |
| <b>Package 2 Width</b>              | 9 cm      |
| <b>Package 2 Length</b>             | 22.5 cm   |
| <b>Package 2 Weight</b>             | 1.322 kg  |
| <b>Unit Type of Package 3</b>       | S03       |
| <b>Number of Units in Package 3</b> | 144       |
| <b>Package 3 Height</b>             | 30 cm     |
| <b>Package 3 Width</b>              | 30 cm     |
| <b>Package 3 Length</b>             | 40 cm     |
| <b>Package 3 Weight</b>             | 16.351 kg |

## Offer Sustainability

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Sustainable offer status</b> | Green Premium product |
|---------------------------------|-----------------------|

|   |   |
|---|---|
| <b>REACh Regulation</b>                               | <a href="#">REACh Declaration</a>   |
| <b>EU RoHS Directive</b>                              | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Mercury free</b>                                   | Yes   |
| <b>RoHS exemption information</b>                     | <a href="#">Yes</a>   |
| <b>China RoHS Regulation</b>                          | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| <b>Environmental Disclosure</b>                       | <a href="#">Product Environmental Profile</a>   |
| <b>WEEE</b>   | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Halogen content performance</b>                    | Halogen free product  |
| <b>Minimum percentage of recycled plastic content</b> | 56  |

## **Contractual warranty**

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## **Recommended replacement(s)**