# Product datasheet

Specifications




## Miniature circuit breaker (MCB), Resi9, 3P, 6A, C curve, 6000A (IEC/EN 60898-1)

R9F12306

## Main

| | |
|---|---|
| **Range** | Resi9 |
| **Product name** | Resi9 MCB |
| **Product or component type** | Miniature circuit-breaker |
| **Device application** | Protection |
| **Poles description** | 3P |
| **Number of protected poles** | 3 |
| **[In] rated current** | 6 A |
| **Network type** | AC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | C |
| **Breaking capacity** | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| **Standards** | EN/IEC 60898-1 |
| **Quality labels** | EAC<br>UA TR |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **[Ue] rated operational voltage** | 400 V AC 50/60 Hz |
| **Magnetic tripping limit** | 5...10 x In AC |
| **Limitation class** | 3 conforming to EN/IEC 60898-1 |
| **[Ui] rated insulation voltage** | 440 V AC |
| **[Uimp] rated impulse withstand voltage** | 4 kV |
| **Control type** | Toggle |
| **Local signalling** | ON/OFF indication |
| **Mounting mode** | Clip-on |
| **Mounting support** | DIN rail |
| **9 mm pitches** | 6 |
| **Height** | 81 mm |
| **Width** | 54 mm |
| **Depth** | 72 mm |
| **Embedding depth** | 44 mm |
| **Net weight** | 360 g |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

| | |
|---|---|
| **Colour** | White (RAL 9003) |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 10000 cycles |
| **Connections - terminals** | Tunnel type terminals (top or bottom) - 1...25 mm² - rigid<br>Tunnel type terminals (top or bottom) - 1...16 mm² - flexible with ferrule<br>Tunnel type terminals (top or bottom) - 1...16 mm² - flexible |
| **Wire stripping length** | 14 mm |
| **Tightening torque** | 2 N.m |
| **Earth-leakage protection** | Without |

## Environment

| | |
|---|---|
| **IP degree of protection** | IP20 |
| **Pollution degree** | 2 conforming to EN/IEC 60898-1 |
| **Overvoltage category** | III |
| **Tropicalisation** | 2 conforming to IEC 60068-1 |
| **Relative humidity** | 95 % at 55 °C |
| **Ambient air temperature for operation** | -25…60 °C |
| **Ambient air temperature for storage** | -40…60 °C |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 5.5 cm |
| **Package 1 Width** | 7.5 cm |
| **Package 1 Length** | 8.5 cm |
| **Package 1 Weight** | 281 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 4 |
| **Package 2 Height** | 8.5 cm |
| **Package 2 Width** | 9 cm |
| **Package 2 Length** | 22 cm |
| **Package 2 Weight** | 1.167 kg |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 48 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 14.405 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## 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 >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **27 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **2 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **25 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Average percentage of recycled plastic content | **1 %** |
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **26ff71d1-98cf-4280-8725-455b9a6b2fb9** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| OECD PFAS Regulation | **Item contains PFAS Chemicals** |
| POP Directive | **No POPs** |
| Halogen-free status | **Halogen free plastic parts product** |
| PVC free | **Yes** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **47** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **No** |