# Product datasheet

Specifications




## Miniature Circuit Breaker(MCB), Easy9 Pro, 1P, 16A, C curve, 6000A(IEC/EN 60898-1)

EZ9F57116

## Main

| | |
|---|---|
| **Range** | Easy9 Pro |
| **Device application** | Distribution |
| **Product or component type** | Miniature circuit-breaker |
| **Device short name** | Easy9 Pro MCB |
| **Poles description** | 1P |
| **Number of protected poles** | 1 |
| **[In] rated current** | 16 A |
| **Network type** | AC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | C |
| **Suitability for isolation** | Yes conforming to IEC/EN 60898-1 |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **[Ue] rated operational voltage** | 240 V AC 50/60 Hz |
| **Magnetic tripping limit** | 5...10 x In conforming to IEC/EN 60898-1 |
| **Breaking capacity** | 6000 A Icu at 240 V AC 50/60 Hz conforming to IEC/EN 60898-1 |
| **[Ics] rated service breaking capacity** | 6000 A 100 % conforming to IEC/EN 60898-1 - 240 V AC 50/60 Hz |
| **Limitation class** | 3 |
| **[Ui] rated insulation voltage** | 500 V AC 50/60 Hz conforming to IEC/EN 60898-1 |
| **[Uimp] rated impulse withstand voltage** | 4 kV conforming to IEC/EN 60898-1 |
| **Contact position indicator** | Yes |
| **Control type** | Toggle |
| **Local signalling** | ON/OFF indication |
| **Mounting mode** | Clip-on |
| **Mounting support** | DIN rail |
| **Comb busbar and distribution block compatibility** | Top: pin type<br>Bottom: pin/fork type |
| **9 mm pitches** | 2 |
| **Height** | 85 mm |
| **Width** | 18 mm |
| **Depth** | 77 mm |

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

| | |
|---|---|
| **Product weight** | 104 g |
| **Colour** | Grey (RAL 7035) |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 10000 cycles |
| **Provision for padlocking** | Yes |
| **Connections - terminals** | Tunnel type terminals (bottom) 1…16 mm² flexible<br>Tunnel type terminals (bottom) 1…25 mm² rigid |
| **Tightening torque** | 2 N.m |

## Environment

| | |
|---|---|
| **Standards** | IEC/EN 60898-1 |
| **Product certifications** | TSE<br>CE |
| **IP degree of protection** | IP20 conforming to IEC 60529 |
| **Pollution degree** | 3 conforming to IEC/EN 60947-2 |
| **Tropicalisation** | 2 conforming to IEC 60068-1 |
| **Relative humidity** | 95 % at 55 °C |
| **Ambient air temperature for operation** | -30…70 °C |
| **Ambient air temperature for storage** | -40…85 °C |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 7.5 cm |
| **Package 1 Width** | 1.8 cm |
| **Package 1 Length** | 8.5 cm |
| **Package 1 Weight** | 104 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 8 cm |
| **Package 2 Width** | 8.5 cm |
| **Package 2 Length** | 22.5 cm |
| **Package 2 Weight** | 1.319 kg |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 144 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 16.516 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 | **21 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.7 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] | **20 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| Halogen-free status | **Product contains halogen above thresholds** |
| PVC free | **No** |
| Silicone-free | **No** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **57** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |

Offer Marketing Illustration

**Product benefits / Features**



Offer Marketing Illustration

**Product benefits / Features**

