# Product data sheet
## Characteristics

# EZ9F34416
## Miniature circuit breaker (MCB), Easy9, 4P, 16A, C curve, 4500A (IEC/EN 60898-1)



## Main

| | |
|---|---|
| Range | Easy9 |
| Device application | Distribution |
| Product or component type | Miniature circuit-breaker |
| Device short name | Easy9 MCB |
| Poles description | 4P |
| Number of protected poles | 4 |
| [In] rated current | 16 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 4500 A Icn at 230 V AC 50/60 Hz conforming to IEC 60898-1<br>4500 A Icn at 400 V AC 50/60 Hz conforming to IEC 60898-1 |
| Suitability for isolation | Yes conforming to IEC 60898-1 |

## Complementary

| | |
|---|---|
| Network frequency | 50 Hz |
| [Ue] rated operational voltage | 400 V AC 50 Hz |
| Magnetic tripping limit | 5...10 x In |
| [Ics] rated service breaking capacity | 4.5 KA 100 % x Icn at 400 V AC 50/60 Hz conforming to IEC 60898-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to IEC 60898-1 |
| [Uimp] rated impulse withstand voltage | 4 KV conforming to IEC 60898-1 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Without |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| 9 mm pitches | 8 |
| Height | 81 Mm |
| Width | 72 Mm |
| Depth | 66.5 Mm |
| Colour | Grey (RAL 7035) |
| Mechanical durability | 10000 Cycles |
| Electrical durability | 4000 Cycles |
| Connections - terminals | Tunnel type terminal (top or bottom) 1…25 mm² rigid<br>Tunnel type terminal (top or bottom) 1…16 mm² flexible |
| Tightening torque | 2 N.M top or bottom |

## Environment

| | |
|---|---|
| Standards | IEC 60898-1 |
| Product certifications | GOST-R |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 2 |
| Tropicalisation | 2 |
| Relative humidity | 95 % at -25…60 °C |
| Ambient air temperature for operation | -25…60 °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 | 7.200 Cm |
| Package 1 Width | 7.600 Cm |
| Package 1 Length | 8.500 Cm |
| Package 1 Weight | 384.600 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 8.500 Cm |
| Package 2 Width | 9.200 Cm |
| Package 2 Length | 22.300 Cm |
| Package 2 Weight | 1.205 Kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 36 |
| Package 3 Height | 30.000 Cm |
| Package 3 Width | 30.000 Cm |
| Package 3 Length | 40.000 Cm |
| Package 3 Weight | 14.990 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 59 |
| Total lifecycle Carbon footprint | 5 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2.2498265679442513 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.19804439895470383 |
| Carbon footprint of the distribution phase [A4] | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.05987405052264808 |
| Carbon footprint of the installation phase [A5] | 0.1 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1.3425857247386668 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1.0196507839721254 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 5 |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| SCIP Number | 0dbcf8b1-4732-4e36-88bc-462a078c2d4c |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| Halogen-free status | Product contains halogen above thresholds |

| | |
|---|---|
| PVC free | No |
| Silicone-free | No |
| 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 a |

## Contractual warranty

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

Product Life Status : Commercialised