

Product datasheet

Specifications



Miniature circuit breaker (MCB), Easy9, 4P, 50A, C curve, 6000A (IEC/EN 60898-1)

EZ9F56450

Main

| | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Range | Easy9 |
| Device Application | Distribution |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | Easy9 MCB |
| Poles | 4P |
| Number Of Protected Poles | 4 |
| [In] Rated Current | 50 A |
| Network Type | AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | C |
| Breaking Capacity | 10000 A Icn at 220 V AC 50/60 Hz conforming to IEC 60898-1 6000 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 | 50/60 Hz |
| [Ue] Rated Operational Voltage | 220 V AC 50/60 Hz 400 V AC 50/60 Hz |
| Magnetic Tripping Limit | 5...10 x In |
| [Ics] Rated Service Breaking Capacity | 6000 A 100 % x Icn at 400 V AC 50/60 Hz conforming to IEC 60898-1 |
| Limitation Class | 3 conforming to IEC 60898-1 |
| [Uij] 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 | 35 mm DIN rail |
| 9 Mm Pitches | 8 |
| Height | 82 mm |
| Width | 72 mm |
| Depth | 79.5 mm |

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Embedding Depth | 45 mm |
| Net Weight | 0.48 kg |
| Colour | Grey (RAL 7035) |
| Mechanical Durability | 10000 cycles |
| Electrical Durability | 4000 cycles |
| Connections - Terminals | Tunnel type terminal (top or bottom) 1...25 mm ² flexible Tunnel type terminal (top or bottom) 1...35 mm ² rigid |
| Wire Stripping Length | 14 mm for top or bottom connection |
| Tightening Torque | 3.5 N.m top or bottom |
| Earth-Leakage Protection | Without |

Environment

| | |
|----------------------------------------------|----------------------------------------------------------------------------------|
| Standards | IEC 60898-1 |
| Product Certifications | CE |
| Ip Degree Of Protection | IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution Degree | 2 |
| Overvoltage Category | III |
| Tropicalisation | 2 conforming to IEC 60068-2-30 |
| Relative Humidity | 95 % at 50...55 °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 | 7.5 cm |
| Package 1 Width | 7.1 cm |
| Package 1 Length | 8.5 cm |
| Package 1 Weight | 492 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 3 |
| Package 2 Height | 8 cm |
| Package 2 Width | 8.8 cm |
| Package 2 Length | 22.8 cm |
| Package 2 Weight | 1.98 kg |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 36 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 17.712 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.



Sustainable Packaging Transparency RoHS/REACH

Resource performance

Sustainable Packaging

Well-being performance

Mercury Free

RoHS Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
