

Product datasheet

Specifications



Miniature circuit breaker (MCB), Easy9, 1P, 25A, C curve, 3kA (SANS 60947-2)

EZ9F53125

⚠ Discontinued on: Dec 31, 2024

⚠ To be discontinued

Main

| | |
|---------------------------|--|
| Range | Easy9 |
| Device application | Distribution |
| Product or component type | Miniature circuit-breaker |
| Device short name | Easy9 MCB |
| Poles | 1P |
| Number of protected poles | 1 |
| [In] rated current | 25 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 3 kA Icu at 230 V AC 50/60 Hz conforming to SANS 60947-2 |
| Utilisation category | Category A |
| Suitability for isolation | Yes conforming to SANS 60947-2 |

Complementary

| | |
|--|--|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 230 V AC 50/60 Hz |
| Magnetic tripping limit | 8.5 x In +/- 20 % |
| [Ics] rated service breaking capacity | 3 kA 100 % x Icu at 230 V AC 50/60 Hz conforming to SANS 60947-2 |
| Limitation class | 3 conforming to SANS 60947-2 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to SANS 60947-2 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to SANS 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Without |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| 9 mm pitches | 2 |
| Height | 81 mm |
| Width | 18 mm |

| | |
|-------------------------|---|
| Depth | 66.5 mm |
| Product weight | 0.105 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 rigid Tunnel type terminal (top or bottom) 1...25 mm ² flexible |
| Tightening torque | 2 N.m top or bottom |

Environment

| | |
|---------------------------------------|------------------------------|
| Standards | SANS 60947-2 |
| Product certifications | CE |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 2 |
| Relative humidity | 95 % at -5...60 °C |
| Ambient air temperature for operation | -5...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 | 7.4 cm |
| Package 1 Width | 1.8 cm |
| Package 1 Length | 8.5 cm |
| Package 1 Weight | 110.0 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 8 cm |
| Package 2 Width | 8.8 cm |
| Package 2 Length | 22.8 cm |
| Package 2 Weight | 1584 g |
| 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 | 15.84 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 |
| SCIP Number | 0dbcf8b1-4732-4e36-88bc-462a078c2d4c |
| EU RoHS Directive | Compliant By Exemption |
| REACH Regulation | Free of Substances of Very High Concern above the threshold |
| Halogen-free status | Product contains halogen above thresholds |
| PVC free | No |

Use Longer



Lifetime extension

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

Use Again



Repack and remanufacture

| | |
|---------------------------------|--|
| Recyclability potential, in % | 59 |
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |

Offer Marketing Illustration

Product benefits / Features

Technical Benefits
Easy9



Compliant with global RoHS/Reach regulation to protect your family and environment



Suitability for residential isolation according to IEC 60898-1 standard



Combine short-circuit and overload currents protection



Easy to install with unified terminal design and wiring indication