# Product data sheet
## Characteristics

# EZ9D33616
## Easy9 RCBO - 1P + N - 16A - C curve - AC type - 4500 A - 30 mA



## Main

| | |
|---|---|
| Range | Easy9 |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Device short name | Easy9 RCBO |
| Poles description | 1P + N |
| Neutral position | Left |
| [In] rated current | 16 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Earth-leakage sensitivity | 30 MA |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type AC |
| Breaking capacity | 4500 A Icn at 230 V AC 50/60 Hz |

## Complementary

| | |
|---|---|
| Device application | Distribution |
| Device location in system | Outgoer |
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 230 V AC |
| Magnetic tripping limit | 5...10 x In |
| Limitation class | 3 |
| [Ui] rated insulation voltage | 400 V |
| [Uimp] rated impulse withstand voltage | 4 KV |
| Contact position indicator | Yes |
| Control type | Toggle |
| Mounting support | DIN rail |
| 9 mm pitches | 2 |
| Height | 93 Mm |
| Width | 18 Mm |
| Depth | 69.5 Mm |
| Net weight | 0.136 Kg |
| Mechanical durability | 10000 Cycles |
| Electrical durability | 4000 Cycles |
| Connections - terminals | Tunnel type terminal (upstream) 1…16 mm² rigid or flexible<br>Tunnel type terminal (downstream) 1…10 mm² rigid or flexible |
| Tightening torque | 2 N.M top or bottom |
| Earth-leakage protection | Integrated |

## Environment

| | |
|---|---|
| Standards | IEC 61009-1 |
| IP degree of protection | IP20<br>IP40 (modular enclosure) |
| Tropicalisation | 2 conforming to IEC 60068-2-30 |
| Relative humidity | 95 % at 55 °C |
| Ambient air temperature for operation | -25…55 °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 | 9.65 Cm |
| Package 1 Width | 1.8 Cm |
| Package 1 Length | 7.55 Cm |
| Package 1 Weight | 156 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 10.4 Cm |
| Package 2 Width | 8.0 Cm |
| Package 2 Length | 24.4 Cm |
| Package 2 Weight | 1.9 Kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 72 |
| Package 3 Height | 30 Cm |
| Package 3 Width | 30 Cm |
| Package 3 Length | 40 Cm |
| Package 3 Weight | 12.0 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 52 |
| Total lifecycle Carbon footprint | 3 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2.099541285249456 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1.125481636925344 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1756345866352733 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.2 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 3 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| PVC free | Yes |
| Silicone-free | Yes |
| End of life manual availability | No need of specific recycling operations |

## Contractual warranty

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

| | |
|---|---|
| Product Life Status : | Commercialised |