# Product data sheet
## Characteristics

# A9D54216
Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 2P, 16A, C curve, 10000A/15kA, A type, 300mA



## Main

| | |
|---|---|
| Range | Acti9 |
| Product name | Acti9 iC60 RCBO |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Device short name | iC60 RCBO |
| Device application | Distribution |
| Poles description | 2P |
| Number of protected poles | 2 |
| [In] rated current | 16 A |
| Network type | AC |
| Network frequency | 50 Hz |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Earth-leakage sensitivity | 300 MA |
| Suitability for isolation | No conforming to IEC 60947-1 |
| Quality labels | VDE<br>NF<br>KEMA-KEUR<br>IMQ |

## Complementary

| | |
|---|---|
| Device location in system | Outgoer |
| [Ue] rated operational voltage | 220...240 V AC 50 Hz |
| Magnetic tripping limit | 5...10 x In |
| Residual current tripping technology | Voltage independent |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type A |
| Breaking capacity | 10000 A Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1<br>15 KA Icu at 220...240 V AC 50 Hz conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity | 7500 A 75 % x Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1<br>7.5 KA 50 % x Icu at 220...240 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Rated breaking and making capacity | Idm 6000 A at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Limitation class | 3 conforming to EN/IEC 61009-2-1 |
| [Ui] rated insulation voltage | 500 V AC 50 Hz |
| [Uimp] rated impulse withstand voltage | 4 KV |
| Surge current | 250 A |
| Contact position indicator | No |
| Control type | Toggle |

| | |
|---|---|
| Local signalling | ON, OFF, fault trip |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| Comb busbar and distribution block compatibility | Top or bottom: YES<br>Bottom: biconnect |
| Connection pitch | 9 Mm between poles |
| 9 mm pitches | 4 |
| Height | 86 Mm |
| Width | 36 Mm |
| Depth | 78 Mm |
| Net weight | 273 G |
| Colour | White |
| Mechanical durability | 20000 Cycles |
| Electrical durability | 10000 Cycles |
| Connections - terminals | Tunnel type terminal top or bottom 1…35 mm² rigid<br>Tunnel type terminal top or bottom 1…25 mm² flexible<br>Tunnel type terminal top or bottom 1…25 mm² flexible with ferrule |
| Wire stripping length | 12 Mm for top or bottom connection |
| Tightening torque | 2 N.M |
| Earth-leakage protection | Integrated |

## Environment

| | |
|---|---|
| Standards | EN/IEC 60947-2<br>EN/IEC 61009-2-1 |
| IP degree of protection | IP40 (distribution enclosure) conforming to IEC 60529<br>IP20 conforming to IEC 60529 |
| Overvoltage category | III conforming to IEC 60364 |
| Electromagnetic compatibility | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1 |
| Tropicalisation | 2 |
| Relative humidity | 95 % at 55 °C |
| Ambient air temperature for operation | -25…60 °C |
| Ambient air temperature for storage | -40…70 °C |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.000 Cm |
| Package 1 Width | 4.000 Cm |
| Package 1 Length | 9.800 Cm |
| Package 1 Weight | 236.000 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 10.000 Cm |
| Package 2 Width | 11.500 Cm |
| Package 2 Length | 25.000 Cm |
| Package 2 Weight | 1.482 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 | 9.458 Kg |

## Offer Sustainability

| | |
|---|---|
| Mercury free | Yes |
| Sustainable packaging | No |
| Environmental Disclosure | Product Environmental Profile |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | Yes |
| SCIP Number | A7b24ae6-2312-4e67-b7c9-56fce3e8c723 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| 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