

Product data sheet

Characteristics

A9D97413

Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 4P, 13A, B curve, 6000A/6kA, A-SI type, 30mA



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 | 4P |
| Number of protected poles | 4 |
| [In] rated current | 13 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | B |
| Earth-leakage sensitivity | 30 mA |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type A-SI (Super Immunised) |
| Breaking capacity | 6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Suitability for isolation | No conforming to IEC 60947-1 |
| Quality labels | NF KEMA-KEUR IMQ VDE |

Complementary

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| Complementary | Outgoer |
| Network frequency | 50 Hz |
| [Ue] rated operational voltage | 380...415 V AC 50 Hz |
| Magnetic tripping limit | 3...5 x In |
| Residual current tripping technology | Voltage independent |
| [Ics] rated service breaking capacity | 6000 A 100 % x Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Rated breaking and making capacity | Idm 6000 A at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Limitation class | 1 conforming to EN/IEC 61009-2-1 |
| [Ui] rated insulation voltage | 500 V AC 50 Hz |
| [Uiimp] rated impulse withstand voltage | 4 kV |
| Surge current | 3000 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 Bottom: biconnect |

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|--------------------------|--|
| Connection pitch | 9 mm between poles |
| 9 mm pitches | 8 |
| Height | 86 mm |
| Width | 72 mm |
| Depth | 78 mm |
| Net weight | 423 g |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Connections - terminals | Tunnel type terminal top or bottom 1...35 mm ² rigid Tunnel type terminal top or bottom 1...25 mm ² flexible Tunnel type terminal top or bottom 1...25 mm ² flexible with ferrule |
| Wire stripping length | 12 mm for top or bottom connection |
| Tightening torque | 2 N.m |
| Earth-leakage protection | Integrated |

Environment

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|---------------------------------------|---|
| Standards | EN/IEC 60947-2 EN/IEC 61009-2-1 |
| IP degree of protection | IP40 (distribution enclosure) conforming to IEC 60529 IP20 conforming to IEC 60529 |
| Overvoltage category | III conforming to IEC 60364 |
| Electromagnetic compatibility | 8/20 µs impulse withstand, 3000 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

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.700 cm |
| Package 1 Width | 8.000 cm |
| Package 1 Length | 10.000 cm |
| Package 1 Weight | 444.000 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 10.000 cm |
| Package 2 Width | 11.500 cm |
| Package 2 Length | 25.000 cm |
| Package 2 Weight | 1.402 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 18 |
| Package 3 Height | 30.000 cm |
| Package 3 Width | 30.000 cm |
| Package 3 Length | 40.000 cm |
| Package 3 Weight | 8.730 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |

Circularity Profile**☒ End Of Life Information****WEEE**

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