



### 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                  | 10 A   |
| Network type                        | AC   |
| Trip unit technology                | Thermal-magnetic   |
| Curve code                          | C  |
| Earth-leakage sensitivity           | 300 mA   |
| Earth-leakage protection time delay | Instantaneous  |
| Earth-leakage protection class      | Type A   |
| Breaking capacity                   | 6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1<br>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                      | KEMA-KEUR<br>VDE<br>IMQ<br>NF  |

### Complementary

|  |  |
|--|--|
| Complementary                                    | Outgoer  |
| Network frequency                                | 50 Hz  |
| [Ue] rated operational voltage                   | 380...415 V AC 50 Hz   |
| Magnetic tripping limit                          | 5...10 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<br>6 kA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Rated breaking and making capacity               | I <sub>dm</sub> 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   |
| [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             | 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 <sup>2</sup> rigid<br>Tunnel type terminal top or bottom 1...25 mm <sup>2</sup> flexible<br>Tunnel type terminal top or bottom 1...25 mm <sup>2</sup> 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             | 8.700 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 10.000 cm |
| Package 1 Weight             | 426.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 3         |
| Package 2 Height             | 9.500 cm  |
| Package 2 Width              | 11.300 cm |
| Package 2 Length             | 26.500 cm |
| Package 2 Weight             | 1.343 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             | 8.626 kg  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  Yes   |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |

