



## 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                  | 32 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 A-SI (Super Immunised)                                                                                                          |
| 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 |
| Suitability for isolation           | No conforming to IEC 60947-1                                                                                                         |
| Quality labels                      | VDE<br>IMQ<br>NF<br>KEMA-KEUR                                                                                                        |

## Complementary

|                                                  |                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Complementary                                    | Outgoer                                                                                                                                            |
| Network frequency                                | 50 Hz                                                                                                                                              |
| [Ue] rated operational voltage                   | 220...240 V AC 50 Hz                                                                                                                               |
| Magnetic tripping limit                          | 5...10 x In                                                                                                                                        |
| Residual current tripping technology             | Voltage independent                                                                                                                                |
| [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                                    | 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<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, 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

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.000 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 9.800 cm  |
| Package 1 Weight             | 247.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 10.000 cm |
| Package 2 Width              | 11.000 cm |
| Package 2 Length             | 25.000 cm |
| Package 2 Weight             | 1.546 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             | 4.960 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> |

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile |  <a href="#">End Of Life Information</a>    |
| WEEE                | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |