

# Product datasheet

Specifications



## Acti9 iC60H RCBO plug on neutral - 1P+Ns - 16A - B - 10000A - 30mA - type A

Local distributor code: 405638844    A9D56816

### Main

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Circuit breaker application | Distribution                                                 |
| Range                       | Acti9                                                        |
| Product name                | Acti9 iC60 RCBO                                              |
| Product or component type   | Residual current breaker with overcurrent protection (RCBO)  |
| Device short name           | IC60H RCBO PoN                                               |
| Poles description           | 1P + Ns                                                      |
| [In] rated current          | 16 A at 50 °C                                                |
| Earthing system             | TN                                                           |
| Curve code                  | B                                                            |
| Earth-leakage sensitivity   | 30 mA                                                        |
| Breaking capacity           | 10000 A Icn at 240 V AC 50/60 Hz conforming to IEC 61009-2-2 |

### Complementary

|                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| Neutral position                      | Left                                                    |
| Number of protected poles             | 1                                                       |
| Device location in system             | Outgoer                                                 |
| Network frequency                     | 50/60 Hz                                                |
| Network type                          | AC                                                      |
| Trip unit technology                  | Thermal-magnetic                                        |
| Magnetic tripping limit               | 3...5 x In                                              |
| [Ue] rated operational voltage        | 240 V AC 50/60 Hz                                       |
| Residual current tripping technology  | Voltage dependent                                       |
| Earth-leakage protection time delay   | Instantaneous                                           |
| Earth-leakage protection class        | Type A                                                  |
| [Ics] rated service breaking capacity | 7500 A at 240 V AC 50/60 Hz conforming to IEC 61009-2-2 |
| Electrical insulation class           | Class II                                                |
| Limitation class                      | 3                                                       |

|                                                  |                                                                                                                                                                                                                                    |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage                    | 400 V AC 50/60 Hz                                                                                                                                                                                                                  |
| [Uimp] rated impulse withstand voltage           | 4 kV                                                                                                                                                                                                                               |
| Surge current                                    | 250 A                                                                                                                                                                                                                              |
| Suitability for isolation                        | Yes                                                                                                                                                                                                                                |
| Contact position indicator                       | Yes                                                                                                                                                                                                                                |
| Control type                                     | Toggle                                                                                                                                                                                                                             |
| Local signalling                                 | ON/OFF indication<br>Fault indication                                                                                                                                                                                              |
| Mounting mode                                    | Plug-on                                                                                                                                                                                                                            |
| Mounting support                                 | Isobar B<br>Isobar A                                                                                                                                                                                                               |
| Comb busbar and distribution block compatibility | NO                                                                                                                                                                                                                                 |
| 9 mm pitches                                     | 2                                                                                                                                                                                                                                  |
| Height                                           | 110 mm                                                                                                                                                                                                                             |
| Width                                            | 18 mm                                                                                                                                                                                                                              |
| Depth                                            | 72 mm                                                                                                                                                                                                                              |
| Net weight                                       | 156 g                                                                                                                                                                                                                              |
| Colour                                           | White                                                                                                                                                                                                                              |
| Mechanical durability                            | 20000 cycles                                                                                                                                                                                                                       |
| Electrical durability                            | 5000 cycles                                                                                                                                                                                                                        |
| Locking options description                      | Padlock in on or off position                                                                                                                                                                                                      |
| Connections - terminals                          | Screw clamp terminal (top) 1...16 mm² flexible<br>Screw clamp terminal (bottom) 1...10 mm² flexible<br>Screw clamp terminal (top) 1...25 mm² rigid<br>Screw clamp terminal (bottom) 1...16 mm² rigid<br>Plug-on neutral (upstream) |
| Wire stripping length                            | 14 mm for top connection<br>13 mm for bottom connection                                                                                                                                                                            |
| Tightening torque                                | 3.5 N.m top<br>2 N.m bottom                                                                                                                                                                                                        |
| Earth-leakage protection                         | Integrated                                                                                                                                                                                                                         |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | BS EN 61009-1<br>IEC 61009-2-2<br>IEC 61009-1                                    |
| Product certifications                | CB                                                                               |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Overvoltage category                  | II                                                                               |
| Tropicalisation                       | 2                                                                                |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Ambient air temperature for operation | -15...60 °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 Weight             | 193.0 g   |
| Package 1 Height             | 8.8 cm    |
| Package 1 width              | 1.8 cm    |
| Package 1 Length             | 13.1 cm   |
| Unit Type of Package 2       | P12       |
| Number of Units in Package 2 | 1088      |
| Package 2 Weight             | 246.08 kg |
| Package 2 Height             | 60 cm     |
| Package 2 width              | 80 cm     |
| Package 2 Length             | 120 cm    |
| Unit Type of Package 3       | S02       |
| Number of Units in Package 3 | 34        |
| Package 3 Weight             | 7.065 kg  |
| Package 3 Height             | 15 cm     |
| Package 3 width              | 30 cm     |
| Package 3 Length             | 40 cm     |

Offer Sustainability

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                       |
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free                | Yes                                                                                                                         |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| 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 |
| Halogen content performance | Halogen free plastic parts product                                                                                          |

Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|