

# Product datasheet

Specifications



## Acti9 - earth leakage circuit breaker - 1P + N - 6A - B - 30mA - 10000 A

Local distributor code: 396734190    SEE106B03

### Main

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Circuit breaker application | Distribution                                                |
| Range                       | Acti 9                                                      |
| Product name                | Acti9 iC60 RCBO                                             |
| Product or component type   | Residual current breaker with overcurrent protection (RCBO) |
| Device short name           | IC60N RCBO                                                  |
| Poles description           | 1P + N                                                      |
| [In] rated current          | 6 A at 30 °C                                                |
| Curve code                  | B                                                           |
| Earth-leakage sensitivity   | 30 mA                                                       |
| Breaking capacity           | 10000 A Icn at 150...230 V AC 50 Hz                         |

### Complementary

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| Neutral position                         | Left                                        |
| Number of protected poles                | 1                                           |
| Network frequency                        | 50 Hz                                       |
| Network type                             | AC                                          |
| Trip unit technology                     | Thermal-magnetic                            |
| [Ue] rated operational voltage           | 150...230 V AC 50 Hz                        |
| Residual current tripping technology     | Voltage dependent                           |
| Earth-leakage protection time delay      | Instantaneous                               |
| Earth-leakage protection class           | Type A                                      |
| [Icw] rated short-time withstand current | Icw: 250 A during 8/20 µs impulse withstand |
| Electrical insulation class              | Class III                                   |
| Limitation class                         | 3                                           |
| [Ui] rated insulation voltage            | 400 V AC 50 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                                                                                                                                                                                                      |
| Mounting mode                                    | Clip-on                                                                                                                                                                                                                |
| Mounting support                                 | DIN rail                                                                                                                                                                                                               |
| Comb busbar and distribution block compatibility | YES                                                                                                                                                                                                                    |
| 9 mm pitches                                     | 2                                                                                                                                                                                                                      |
| Height                                           | 117 mm                                                                                                                                                                                                                 |
| Width                                            | 18 mm                                                                                                                                                                                                                  |
| Depth                                            | 70 mm                                                                                                                                                                                                                  |
| Net weight                                       | 136 g                                                                                                                                                                                                                  |
| Colour                                           | White                                                                                                                                                                                                                  |
| Mechanical durability                            | 20000 cycles                                                                                                                                                                                                           |
| Electrical durability                            | 10000 cycles                                                                                                                                                                                                           |
| Provision for padlocking                         | Padlockable                                                                                                                                                                                                            |
| Locking options description                      | By padlocks                                                                                                                                                                                                            |
| Connections - terminals                          | Screw clamp terminal (upstream) 1...16 mm² rigid<br>Screw clamp terminal (upstream) 1...16 mm² flexible<br>Screw clamp terminal (downstream) 1...10 mm² rigid<br>Screw clamp terminal (downstream) 1...10 mm² flexible |
| Wire stripping length                            | 14 mm for upstream connection<br>11 mm for downstream connection                                                                                                                                                       |
| Tightening torque                                | 2 N.m upstream<br>2 N.m downstream                                                                                                                                                                                     |
| Earth-leakage protection                         | Integrated                                                                                                                                                                                                             |
| Targeted country                                 | UK                                                                                                                                                                                                                     |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 61009-1<br>IEC 61009-2-2 |
| Product certifications                | SNI                          |
| IP degree of protection               | IP20                         |
| Tropicalisation                       | 2                            |
| Relative humidity                     | 95 % at 55 °C                |
| Ambient air temperature for operation | -25...55 °C                  |
| Ambient air temperature for storage   | -30...70 °C                  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 232.6 g |
| Package 1 Height             | 2.8 cm  |
| Package 1 width              | 11.2 cm |
| Package 1 Length             | 14 cm   |

|                              |          |
|------------------------------|----------|
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 34       |
| Package 2 Weight             | 8.04 kg  |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Unit Type of Package 3       | P06      |
| Number of Units in Package 3 | 544      |
| Package 3 Weight             | 144.0 kg |
| Package 3 Height             | 75 cm    |
| Package 3 width              | 80 cm    |
| Package 3 Length             | 60 cm    |

Offer Sustainability

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

Contractual warranty

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