

# Product datasheet

Specifications



Acti9, Residual current breaker with overcurrent protection (RCBO), Acti9 iC60H2 RCBO, 2P, 20A, 30mA, A type, 10000A

A9D11220

## 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           | iC60H2 RCBO   |
| Poles Description           | 2P  |
| [In] Rated Current          | 20 A at 50 °C   |
| Earthing System             | IT<br>TN<br>TT  |
| Curve Code                  | C   |
| Earth-Leakage Sensitivity   | 30 mA   |
| Breaking Capacity           | 10000 A Icn at 230/240 V AC 50/60 Hz                        |

## Complementary

|  |   |
|--|---|
| Neutral Position                         | Left  |
| Number Of Protected Poles                | 2   |
| Device Location In System                | Outgoer                                     |
| Network Frequency                        | 50 Hz                                       |
| Network Type                             | AC  |
| Trip Unit Technology                     | Thermal-magnetic                            |
| [Ue] Rated Operational Voltage           | 230/240 V AC 50/60 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 |
| [Ics] Rated Service Breaking Capacity    | 7500 A at 230/240 V AC 50/60 Hz             |
| Limitation Class                         | 3   |
| [Ui] Rated Insulation Voltage            | 400 V AC 50/60 Hz                           |
| [Uimp] Rated Impulse Withstand Voltage   | 4 kV  |
| Surge Current                            | 250 A                                       |

|   |  |
|---|--|
| <b>Suitability For Isolation</b>                        | Yes  |
| <b>Contact Position Indicator</b>                       | Yes  |
| <b>Control Type</b>                                     | Toggle   |
| <b>Local Signalling</b>                                 | ON/OFF indication  |
| <b>Mounting Mode</b>                                    | Clip-on  |
| <b>Mounting Support</b>                                 | DIN rail   |
| <b>Comb Busbar And Distribution Block Compatibility</b> | NO   |
| <b>9 Mm Pitches</b>                                     | 4  |
| <b>Height</b>   | 110 mm   |
| <b>Width</b>  | 36 mm  |
| <b>Depth</b>  | 75.5 mm  |
| <b>Net Weight</b>                                       | 332 g  |
| <b>Colour</b>   | White  |
| <b>Mechanical Durability</b>                            | 20000 cycles   |
| <b>Electrical Durability</b>                            | 5000 cycles  |
| <b>Provision For Padlocking</b>                         | Padlockable with padlock Ø 4 mm  |
| <b>Locking Options Description</b>                      | ON/OFF locking facilities  |
| <b>Connections - Terminals</b>                          | Screw clamp terminal (top) 1...25 mm <sup>2</sup> rigid without cable end<br>Screw clamp terminal (top) 1...16 mm <sup>2</sup> flexible<br>Screw clamp terminal (bottom) 1...16 mm <sup>2</sup> rigid without cable end<br>Screw clamp terminal (bottom) 1...10 mm <sup>2</sup> flexible |
| <b>Wire Stripping Length</b>                            | Power circuit: 13 mm for bottom connection<br>Power circuit: 14 mm for top connection  |
| <b>Tightening Torque</b>                                | Power circuit: 3.5 N.m top<br>Power circuit: 2 N.m bottom  |
| <b>Earth-Leakage Protection</b>                         | Integrated   |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | AS/NZS 61009.1<br>IEC 61009-2-2<br>IEC 61009-1 |
| <b>Ip Degree Of Protection</b>               | IP20   |
| <b>Tropicalisation</b>                       | 2  |
| <b>Relative Humidity</b>                     | 95 % at 55 °C                                  |
| <b>Ambient Air Temperature For Operation</b> | -15...60 °C                                    |
| <b>Ambient Air Temperature For Storage</b>   | -40...85 °C                                    |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type Of Package 1</b>       | PCE     |
| <b>Number Of Units In Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 7.5 cm  |
| <b>Package 1 Width</b>              | 9.5 cm  |
| <b>Package 1 Length</b>             | 1.8 cm  |
| <b>Package 1 Weight</b>             | 268.0 g |

|                                     |            |
|-------------------------------------|------------|
| <b>Unit Type Of Package 2</b>       | S02        |
| <b>Number Of Units In Package 2</b> | 27         |
| <b>Package 2 Height</b>             | 15.0 cm    |
| <b>Package 2 Width</b>              | 30.0 cm    |
| <b>Package 2 Length</b>             | 40.0 cm    |
| <b>Package 2 Weight</b>             | 8.732 kg   |
| <b>Unit Type Of Package 3</b>       | P12        |
| <b>Number Of Units In Package 3</b> | 864        |
| <b>Package 3 Height</b>             | 70.0 cm    |
| <b>Package 3 Width</b>              | 120.0 cm   |
| <b>Package 3 Length</b>             | 80.0 cm    |
| <b>Package 3 Weight</b>             | 243.552 kg |

## Sustainability

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Transparency RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information Yes

✓ Halogen Free Plastic Parts Product

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure

[Product Environmental Profile](#)

Weee

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

Circularity Profile

No need of specific recycling operations

[Circularity Profile](#)