

# Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60H3, 3P+N<sub>s</sub>, D Curve, 25A, 30mA, A type, 10000A

A9DD1925

## 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           | iC60H3 RCBO                                                 |
| poles description           | 3P + N <sub>s</sub>                                         |
| [In] rated current          | 25 A at 30 °C                                               |
| Earthing system             | TN                                                          |
| Curve code                  | D                                                           |
| Earth-leakage sensitivity   | 30 mA                                                       |
| Breaking capacity           | 10000 A I <sub>cn</sub> at 400/415 V                        |

## Complementary

|                                                       |                                                          |
|-------------------------------------------------------|----------------------------------------------------------|
| Neutral position                                      | Left                                                     |
| Number of protected poles                             | 3                                                        |
| Device location in system                             | Outgoer                                                  |
| network frequency                                     | 50/60 Hz                                                 |
| network type                                          | AC                                                       |
| Trip unit technology                                  | Thermal-magnetic                                         |
| [U <sub>e</sub> ] rated operational voltage           | 400/415 V                                                |
| Residual current tripping technology                  | Voltage dependent                                        |
| Earth-leakage protection time delay                   | Instantaneous                                            |
| Earth-leakage protection class                        | Type A                                                   |
| [I <sub>cw</sub> ] rated short-time withstand current | I <sub>cw</sub> : 250 A during 8/20 μs impulse withstand |
| [I <sub>cs</sub> ] rated service breaking capacity    | 7500 A                                                   |
| Limitation class                                      | 3                                                        |
| [U <sub>i</sub> ] rated insulation voltage            | 500 V                                                    |
| [U <sub>imp</sub> ] rated impulse withstand voltage   | 4 kV                                                     |
| Surge current                                         | 250 A                                                    |
| Suitability for isolation                             | Yes conforming to IEC 61009-1                            |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                                        |                                                                                                                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Control type                                           | Toggle                                                                                                          |
| local signalling                                       | ON/OFF indication                                                                                               |
| mounting mode                                          | Clip-on                                                                                                         |
| mounting support                                       | DIN rail<br>Chassis                                                                                             |
| Comb busbar and distribution block compatibility       | YES                                                                                                             |
| 9 mm pitches                                           | 6                                                                                                               |
| Height                                                 | 112 mm                                                                                                          |
| Width                                                  | 54 mm                                                                                                           |
| Depth                                                  | 77.2 mm                                                                                                         |
| Net weight                                             | 462 g                                                                                                           |
| Colour                                                 | White                                                                                                           |
| Mechanical durability                                  | 20000 cycles                                                                                                    |
| Electrical durability                                  | 5000 cycles                                                                                                     |
| Provision for padlocking                               | Padlockable with padlock Ø 4 mm<br>Lead seal                                                                    |
| Locking options description                            | ON/OFF locking facilities                                                                                       |
| Connections - terminals                                | Screw clamp terminal (top) 1...25 mm² rigid without cable end<br>Screw clamp terminal (top) 1...16 mm² flexible |
| Wire stripping length                                  | Power circuit: 11 mm for bottom connection<br>Power circuit: 14 mm for top connection                           |
| Tightening torque                                      | Power circuit: 2.5 N.m top<br>Power circuit: 2.5 N.m bottom                                                     |
| Earth-leakage protection                               | Integrated                                                                                                      |
| Test button operating voltage                          | 260...457 V                                                                                                     |
| Operating voltage for protection against earth leakage | 150...457 V                                                                                                     |
| Grid distance                                          | 45 mm                                                                                                           |
| Locking options description                            | Handle sealable with cable diameter 1.4mm in OFF or ON position                                                 |

## Environment

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| Standards                             | AS/NZS 61009.1<br>IEC 61009-1<br>IEC 61009-2-2 |
| IP degree of protection               | IP20                                           |
| Tropicalisation                       | 2                                              |
| Relative humidity                     | 95 % at 55 °C                                  |
| Ambient air temperature for operation | -5...60 °C                                     |
| Ambient air temperature for storage   | -25...70 °C                                    |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 12.7 cm |
| Package 1 Width              | 6.6 cm  |

|                              |          |
|------------------------------|----------|
| Package 1 Length             | 9 cm     |
| Package 1 Weight             | 539 g    |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 16       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 9.376 kg |

Sustainability



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Transparency   RoHS/REACH

Well-being performance

|                                         |     |
|-----------------------------------------|-----|
| <div>✓</div> Reach Free Of Svhc         |     |
| <hr/>                                   |     |
| <div>✓</div> Rohs Exemption Information | Yes |
| <hr/>                                   |     |

Certifications & Standards

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                           |
| <hr/>                    |                                                                                                             |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>                                                            |
| <hr/>                    |                                                                                                             |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| <hr/>                    |                                                                                                             |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                               |
| <hr/>                    |                                                                                                             |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                     |
| <hr/>                    |                                                                                                             |