

# Product datasheet

Specifications



Miniature circuit breaker (MCB),  
Acti9 iC60H Disbo, 2P, 40A, C  
curve, 10000A (IEC/EN 60898-1),  
15kA (IEC/EN 60947-2)

A9F54240

## Main

|                           |   |
|---------------------------|---|
| Range                     | Acti9   |
| Product Name              | Disbo iC60  |
| Product Or Component Type | Miniature circuit-breaker   |
| Device Short Name         | iC60H   |
| Poles Description         | 2P  |
| Number Of Protected Poles | 2   |
| [In] Rated Current        | 40 A  |
| Network Type              | AC/DC   |
| Trip Unit Technology      | Thermal-magnetic  |
| Curve Code                | C   |
| Breaking Capacity         | 15 kA Icu at <= 125 V DC conforming to EN/IEC 60947-2<br>10000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>42 kA Icu at 12...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>30 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>15 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Utilisation Category      | Category A conforming to EN/IEC 60947-2   |

## Complementary

|  |  |
|--|--|
| Network Frequency                      | 50/60 Hz   |
| Magnetic Tripping Limit                | 8 x In +/- 20 %  |
| [Ics] Rated Service Breaking Capacity  | 21 kA 50 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz<br>15 kA 50 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 kA 50 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>7500 A 75 % conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz<br>10 kA 100 % conforming to EN/IEC 60947-2 - 100...133 V DC |
| Limitation Class                       | 3 conforming to EN/IEC 60947-2   |
| [Ui] Rated Insulation Voltage          | 500 V AC 50/60 Hz conforming to EN/IEC 60947-2   |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to EN/IEC 60947-2  |
| Contact Position Indicator             | Yes  |
| Control Type                           | Toggle   |
| Local Signalling                       | Trip indicator   |
| Mounting Mode                          | Clip-on  |
| Mounting Support                       | Rail   |
| 9 Mm Pitches                           | 4  |

|                          |   |
|--------------------------|---|
| Height                   | 85 mm   |
| Width                    | 36 mm   |
| Depth                    | 78.5 mm   |
| Net Weight               | 0.25 kg   |
| Colour                   | White   |
| Mechanical Durability    | 20000 cycles  |
| Electrical Durability    | 10000 cycles  |
| Provision For Padlocking | Padlockable   |
| Connections - Terminals  | Single terminal (top or bottom) 1...35 mm <sup>2</sup> rigid<br>Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible |
| Wire Stripping Length    | 14 mm for top or bottom connection  |
| Tightening Torque        | 3.5 N.m top or bottom   |
| Earth-Leakage Protection | Separate block  |

## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Standards                             | EN/IEC 60898-1<br>EN/IEC 60947-2 |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529     |
| Pollution Degree                      | 3 conforming to EN/IEC 60947-2   |
| Tropicalisation                       | 2 conforming to IEC 60068-1      |
| Relative Humidity                     | 95 % at 55 °C                    |
| Ambient Air Temperature For Operation | -35...70 °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 Height             | 7.5 cm   |
| Package 1 Width              | 3.6 cm   |
| Package 1 Length             | 9 cm     |
| Package 1 Weight             | 240 g    |
| Unit Type Of Package 2       | BB1      |
| Number Of Units In Package 2 | 6        |
| Package 2 Height             | 8.5 cm   |
| Package 2 Width              | 9.5 cm   |
| Package 2 Length             | 22 cm    |
| Package 2 Weight             | 1.493 kg |
| Unit Type Of Package 3       | S03      |
| Number Of Units In Package 3 | 66       |
| Package 3 Height             | 30 cm    |
| Package 3 Width              | 30 cm    |
| Package 3 Length             | 40 cm    |

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Package 3 Weight

16.909 kg

## Sustainability

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Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Halogen Free Product

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| 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>   |
| 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  |