

# Product datasheet

Specifications



## Acti9 iC60H 1P 50A D Miniature Circuit Breaker

Local distributor code: 396791418    A9F55150

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Acti 9                                                                                                                                                                                                                                                                                                                                                                                    |
| Product name              | Disbo iC60                                                                                                                                                                                                                                                                                                                                                                                |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                 |
| Device short name         | IC60H                                                                                                                                                                                                                                                                                                                                                                                     |
| Poles description         | 1P                                                                                                                                                                                                                                                                                                                                                                                        |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                                                                                         |
| [In] rated current        | 50 A                                                                                                                                                                                                                                                                                                                                                                                      |
| Network type              | AC                                                                                                                                                                                                                                                                                                                                                                                        |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                          |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                                         |
| Breaking capacity         | 20 kA Icu at 12...48 V DC conforming to EN/IEC 60947-2<br>10 kA Icu at 72 V DC conforming to EN/IEC 60947-2<br>10000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>42 kA Icu at 10...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>30 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>15 kA Icu at 220...240 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                                                                                                                                                                                                                                                                                                                                                                                    |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                           |
| Magnetic tripping limit                | 12 x In +/- 20 %                                                                                                                                                                                                                                                                                                                                                                            |
| [Ics] rated service breaking capacity  | 21 kA 50 % conforming to EN/IEC 60947-2 - 10...60 V AC 50/60 Hz<br>15 kA 50 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz<br>7.5 kA 50 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7500 A 75 % conforming to EN/IEC 60898-1 - 240 V AC 50/60 Hz<br>20 kA 100 % conforming to EN/IEC 60947-2 - 12...48 V DC<br>10 kA 100 % conforming to EN/IEC 60947-2 - 72 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             | 2                                                                                                       |
| Height                   | 85 mm                                                                                                   |
| Width                    | 18 mm                                                                                                   |
| Depth                    | 78.5 mm                                                                                                 |
| Net weight               | 0.125 kg                                                                                                |
| Colour                   | White                                                                                                   |
| Mechanical durability    | 20000 cycles                                                                                            |
| Electrical durability    | 10000 cycles                                                                                            |
| Provision for padlocking | Padlockable                                                                                             |
| Connections - terminals  | Single terminal (top or bottom) 1...35 mm² rigid<br>Single terminal (top or bottom) 1...25 mm² 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 60947-2<br>EN/IEC 60898-1 |
| 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 Weight             | 134.0 g   |
| Package 1 Height             | 1.8 cm    |
| Package 1 width              | 7.5 cm    |
| Package 1 Length             | 9 cm      |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Weight             | 1.676 kg  |
| Package 2 Height             | 8 cm      |
| Package 2 width              | 9.5 cm    |
| Package 2 Length             | 22 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 132       |
| Package 3 Weight             | 18.996 kg |

|                  |       |
|------------------|-------|
| Package 3 Height | 30 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>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |

Contractual warranty

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