



Price\* : 209.34 GBP



### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Range                     | Acti 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product name              | Acti 9 iC60                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Device short name         | IC60L                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Poles description         | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [In] rated current        | 20 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Curve code                | Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Breaking capacity         | 15000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at <= 180 V DC conforming to EN/IEC 60947-2 |
| Utilisation category      | Category A conforming to EN 60947-2<br>Category A conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                             |
| Suitability for isolation | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                           |
| Standards                 | EN 60947-2<br>IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### Complementary

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Network frequency                     | 50/60 Hz                                                        |
| Magnetic tripping limit               | 3 x In +/- 20 %                                                 |
| [Ics] rated service breaking capacity | 12.5 kA 50 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz |

10 kA 50 % conforming to EN 60947-2 - 440 V AC 50/60 Hz  
12.5 kA 50 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz  
10 kA 50 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz  
25 kA 50 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz  
25 kA 50 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz  
35 kA 50 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz  
35 kA 50 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz  
20 kA 100 % conforming to EN 60947-2 - 125...180 V DC  
20 kA 100 % conforming to IEC 60947-2 - 125...180 V DC

|                                                  |                                                                                                                                 |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Limitation class                                 | 3 conforming to EN 60898-1<br>3 conforming to IEC 60898-1                                                                       |
| [Ui] rated insulation voltage                    | 500 V AC 50/60 Hz conforming to EN 60947-2<br>500 V AC 50/60 Hz conforming to IEC 60947-2                                       |
| [Uimp] rated impulse withstand voltage           | 6 kV conforming to EN 60947-2<br>6 kV conforming to IEC 60947-2                                                                 |
| Contact position indicator                       | Yes                                                                                                                             |
| Control type                                     | Toggle                                                                                                                          |
| Local signalling                                 | Trip indicator                                                                                                                  |
| Mounting mode                                    | Fixed                                                                                                                           |
| Mounting support                                 | DIN rail                                                                                                                        |
| Comb busbar and distribution block compatibility | Top or bottom: YES                                                                                                              |
| 9 mm pitches                                     | 6                                                                                                                               |
| Height                                           | 85 mm                                                                                                                           |
| Width                                            | 54 mm                                                                                                                           |
| Depth                                            | 78.5 mm                                                                                                                         |
| Product weight                                   | 0.375 kg                                                                                                                        |
| Colour                                           | White                                                                                                                           |
| Mechanical durability                            | 20000 cycles                                                                                                                    |
| Electrical durability                            | 10000 cycles                                                                                                                    |
| Connections - terminals                          | Single terminal (top or bottom) 1...25 mm <sup>2</sup> rigid<br>Single terminal (top or bottom) 1...16 mm <sup>2</sup> flexible |
| Wire stripping length                            | 14 mm for top or bottom connection                                                                                              |
| Tightening torque                                | 2 N.m top or bottom                                                                                                             |
| Earth-leakage protection                         | Separate block                                                                                                                  |

## Environment

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP20 conforming to EN 60529 |
| Pollution degree                      | 3 conforming to EN 60947-2<br>3 conforming to IEC 60947-2   |
| Overvoltage category                  | IV                                                          |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                 |
| Relative humidity                     | 95 % at 55 °C                                               |
| Operating altitude                    | 0...2000 m                                                  |
| Ambient air temperature for operation | -35...70 °C                                                 |
| Ambient air temperature for storage   | -40...85 °C                                                 |

## 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>                                                                               |
| Circularity Profile      | No need of specific recycling operations                                                                                    |
| 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 |
|----------|-----------|