



### Main

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Circuit breaker application | Distribution                                                           |
| Range of product            | IC60                                                                   |
| Device short name           | IC60L                                                                  |
| Poles description           | 4P                                                                     |
| Number of protected poles   | 4                                                                      |
| [In] rated current          | 32 A                                                                   |
| Network type                | AC<br>DC                                                               |
| Trip unit technology        | Thermal-magnetic                                                       |
| Curve code                  | C                                                                      |
| Utilisation category        | Category A EN 60947-2<br>Category A IEC 60947-2                        |
| Suitability for isolation   | Yes EN 60898-1<br>Yes EN 60947-2<br>Yes IEC 60898-1<br>Yes IEC 60947-2 |

### Complementary

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                     | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Ue] rated operational voltage        | 100...130 V AC 50/60 Hz<br>12...250 V DC<br>12...60 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>400 V AC 50/60 Hz<br>440 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Magnetic tripping limit               | 8 x In +/- 20 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Breaking capacity                     | 15 kA Icu EN 60947-2 12...250 V DC<br>15 kA Icu EN 60947-2 440 V AC 50/60 Hz<br>15 kA Icu IEC 60947-2 12...250 V DC<br>15 kA Icu IEC 60947-2 440 V AC 50/60 Hz<br>15000 A Icn EN 60898-1 400 V AC 50/60 Hz<br>15000 A Icn IEC 60898-1 400 V AC 50/60 Hz<br>20 kA Icu EN 60947-2 380...415 V AC 50/60 Hz<br>20 kA Icu IEC 60947-2 380...415 V AC 50/60 Hz<br>36 kA Icu EN 60947-2 220...240 V AC 50/60 Hz<br>36 kA Icu IEC 60947-2 220...240 V AC 50/60 Hz<br>70 kA Icu EN 60947-2 100...130 V AC 50/60 Hz<br>70 kA Icu EN 60947-2 12...60 V AC 50/60 Hz<br>70 kA Icu IEC 60947-2 100...130 V AC 50/60 Hz<br>70 kA Icu IEC 60947-2 12...60 V AC 50/60 Hz |
| [Ics] rated service breaking capacity | 18 kA 50 % EN 60947-2 220...240 V AC 50/60 Hz<br>10 kA 50 % EN 60947-2 380...415 V AC 50/60 Hz<br>7.5 kA 50 % EN 60947-2 440 V AC 50/60 Hz<br>18 kA 50 % IEC 60947-2 220...240 V AC 50/60 Hz<br>10 kA 50 % IEC 60947-2 380...415 V AC 50/60 Hz<br>7.5 kA 50 % IEC 60947-2 440 V AC 50/60 Hz<br>35 kA 50 % EN 60947-2 12...60 V AC 50/60 Hz<br>35 kA 50 % IEC 60947-2 12...60 V AC 50/60 Hz<br>35 kA 50 % EN 60947-2 100...130 V AC 50/60 Hz<br>35 kA 50 % IEC 60947-2 100...130 V AC 50/60 Hz<br>15 kA 100 % EN 60947-2 12...250 V DC<br>15 kA 100 % IEC 60947-2 12...250 V DC                                                                          |
| Limitation class                      | 3 EN 60898-1<br>3 IEC 60898-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage         | 500 V AC 50/60 Hz EN 60947-2<br>500 V AC 50/60 Hz IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 6 kV EN 60947-2<br>6 kV IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Contact position indicator             | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Control type                           | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Local signalling                       | Trip indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mounting mode                          | Removable comb busbar installed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mounting support                       | DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 9 mm pitches                           | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Width                                  | 72 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Colour                                 | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Connections - terminals                | Tunnel terminal with flap top or bottom 1...35 mm <sup>2</sup> solid 1<br>Tunnel terminal with flap top or bottom 4 mm <sup>2</sup> flexible without cable end 1...5<br>Tunnel terminal with flap top or bottom 4 mm <sup>2</sup> solid 1...5<br>Tunnel terminal with flap top or bottom 6 mm <sup>2</sup> flexible without cable end 1...3<br>Tunnel terminal with flap top or bottom 6 mm <sup>2</sup> solid 1...3<br>Tunnel terminal with flap top or bottom 0.5...25 mm <sup>2</sup> flexible with cable end 1<br>Tunnel terminal with flap top or bottom 0.5...25 mm <sup>2</sup> flexible without cable end 1 |
| Wire stripping length                  | 14 mm top or bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tightening torque                      | 3.5 nm top or bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Earth-leakage protection               | Separate block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Standards                             | EN 60898-1<br>EN 60947-2<br>IEC 60898-1<br>IEC 60947-2 |
| IP degree of protection               | IP3 EN 60947-2<br>IP3 IEC 60947-2                      |
| Pollution degree                      | 3 EN 60947-2<br>3 IEC 60947-2                          |
| Electrical shock protection class     | Class II front face                                    |
| Tropicalisation                       | 2 EN/IEC 60068-2-78                                    |
| Relative humidity                     | 95 %                                                   |
| Operating altitude                    | 0...2000 m                                             |
| Ambient air temperature for operation | -35...70 °C                                            |
| Ambient air temperature for storage   | -40...85 °C                                            |
| RoHS EUR status                       | Compliant                                              |
| RoHS EUR conformity date              | 1001                                                   |