

# A9F84320

## iC60H - miniature circuit breaker - 3P - 20A - C curve



### Main

|                             |   |
|-----------------------------|---|
| Commercial Status           | Commercialised  |
| Circuit breaker application | Distribution  |
| Product or component type   | Circuit breaker   |
| Device short name           | IC60H   |
| 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                  | C   |
| Breaking capacity           | 15 kA Icu conforming to IEC 60947-2 - 125...180 V DC<br>15 kA Icu conforming to EN 60947-2 - 125...180 V DC<br>42 kA Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz<br>42 kA Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz<br>42 kA Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz<br>42 kA Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz<br>30 kA Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>30 kA Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>15 kA Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>10000 A Icn conforming to IEC 60898-1 - 400 V AC 50/60 Hz<br>10000 A Icn conforming to EN 60898-1 - 400 V AC 50/60 Hz<br>10 kA Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>10 kA Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz |
| Utilisation category        | Category A conforming to IEC 60947-2<br>Category A conforming to EN 60947-2   |
| Suitability for isolation   | Yes conforming to IEC 60947-2<br>Yes conforming to IEC 60898-1<br>Yes conforming to EN 60947-2<br>Yes conforming to EN 60898-1  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Complementary

|  |  |
|--|--|
| Network frequency                            | 50/60 Hz   |
| [Ue] rated operational voltage               | 12...144 V DC<br>440 V AC 50/60 Hz<br>400 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>12...60 V AC 50/60 Hz<br>100...130 V AC 50/60 Hz  |
| Magnetic tripping limit                      | 8 x In +/- 20 %  |
| [Ics] rated service breaking capacity        | 5 kA 50 % x Icu conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>7.5 kA 50 % x Icu conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA 50 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>21 kA 50 % x Icu conforming to IEC 60947-2 - 100...130 V AC 50/60 Hz<br>5 kA 50 % x Icu conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>7.5 kA 50 % x Icu conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA 50 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>21 kA 50 % x Icu conforming to EN 60947-2 - 100...130 V AC 50/60 Hz<br>10 kA 100 % x Icu conforming to IEC 60947-2 - 12...144 V DC<br>10 kA 100 % x Icu conforming to EN 60947-2 - 12...144 V DC<br>21 kA 50 % x Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz<br>21 kA 50 % x Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz |
| Limitation class                             | 3 conforming to IEC 60898-1<br>3 conforming to EN 60898-1  |
| [Ui] rated insulation voltage                | 500 V AC 50/60 Hz conforming to IEC 60947-2<br>500 V AC 50/60 Hz conforming to EN 60947-2  |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60947-2<br>6 kV conforming to EN 60947-2  |
| Contact position indicator                   | Yes  |
| Control type                                 | Toggle   |
| Local signalling                             | Trip indicator   |
| Mounting mode                                | Fixed  |
| Mounting support                             | DIN rail   |
| Comb busbar distribution block compatibility | YES top or bottom  |
| 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 flexible wire(s) 1...16 mm <sup>2</sup> max<br>Single terminal, top or bottom rigid wire(s) 1...25 mm <sup>2</sup> max  |
| Wire stripping length                        | 14 mm top or bottom  |
| Tightening torque                            | 2 N.m 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               | IP20 conforming to EN 60529<br>IP20 conforming to IEC 60529 |
| Pollution degree                      | 3 conforming to IEC 60947-2<br>3 conforming to EN 60947-2   |
| Overvoltage category                  | IV  |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                 |
| Relative humidity                     | 95 % ( 55 °C )  |
| Operating altitude                    | 0...2000 m  |
| Ambient air temperature for operation | -35...70 °C   |
| Ambient air temperature for storage   | -40...85 °C   |

### RoHS compliance

|                                |           |
|--------------------------------|-----------|
| RoHS EUR status                | Compliant |
| RoHS EUR conformity date(YYWW) | 1001      |

### Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|