

# iC60H RCBO

## 10, 30 and 100 mA



IEC 61009-1,  
IEC 61009-2-2,  
BS EN 61009-1  
AS/NZS 61009.1

- The single-phase iC60H RCBO's self-contained residual current device carries out complete protection of final circuits:
  - protection against short-circuits and cable overloads
  - protection of persons against electric shock by direct contact (10, 30 mA sensitivities),
  - protection of persons against electric shock by indirect contact (100 mA sensitivity),
  - protection of equipment against fires set by leakage currents (100 mA sensitivity).
- The neutral is not interrupted when the device is tripped. Hence iC60H RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

### Alternating current (AC) 50/60 Hz

Breaking capacity ( $I_{cn}$ ) according to IEC 61009-1

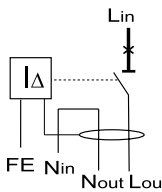
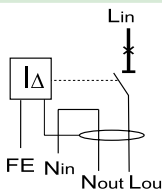
|                  |           | Voltage ( $U_e$ ) |         |
|------------------|-----------|-------------------|---------|
| Ph/N             |           | 110 V             | 240 V   |
| Rating ( $I_n$ ) | 6 to 45 A | 10000 A           | 10000 A |

### Accessory

#### Padlocking device

- Used to lock the toggle in the "open" or "closed" position by 4 mm diameter padlock (not supplied).

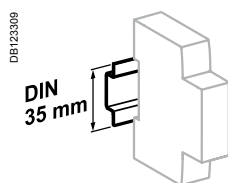
## Catalogue numbers

| iC60H RCBO 10000                                                                    |                    |                   |                                                                                       |                   |          |                       |          |
|-------------------------------------------------------------------------------------|--------------------|-------------------|---------------------------------------------------------------------------------------|-------------------|----------|-----------------------|----------|
| 1P+N                                                                                |                    |                   | A  |                   |          | Width in 9-mm modules |          |
| B curve                                                                             | Voltage rating (V) | Sensitivity (IΔn) | 10 mA                                                                                 | 30 mA             | 100 mA   |                       |          |
|  | 240                | Rating (In)       | 6 A                                                                                   | A9D31806          | -        | 2                     |          |
|                                                                                     |                    |                   | 10 A                                                                                  | A9D31810          | -        |                       |          |
|                                                                                     |                    |                   | 16 A                                                                                  | A9D31816          | -        |                       |          |
|                                                                                     |                    |                   | 20 A                                                                                  | A9D31820          | -        |                       |          |
|                                                                                     |                    |                   | 25 A                                                                                  | A9D31825          | -        |                       |          |
|                                                                                     |                    |                   | 32 A                                                                                  | A9D31832          | -        |                       |          |
|                                                                                     |                    |                   | 40 A                                                                                  | A9D31840          | -        |                       |          |
|                                                                                     |                    |                   | 45 A                                                                                  | A9D31845          | -        |                       |          |
|                                                                                     |                    | C curve           | Voltage rating (V)                                                                    | Sensitivity (IΔn) | 10 mA    |                       | 30 mA    |
|  | 110                | Rating (In)       | 10 A                                                                                  | A9D19810          | -        | 2                     |          |
|                                                                                     |                    |                   | 16 A                                                                                  | A9D19816          | -        |                       |          |
|                                                                                     |                    |                   | 20 A                                                                                  | A9D19820          | -        |                       |          |
|                                                                                     |                    |                   | 25 A                                                                                  | A9D19825          | -        |                       |          |
|                                                                                     |                    |                   | 32 A                                                                                  | A9D19832          | -        |                       |          |
|                                                                                     |                    |                   |                                                                                       |                   |          |                       |          |
|                                                                                     | 240                | Rating (In)       | 6 A                                                                                   | A9D10806          | A9D11806 |                       | A9D12806 |
|                                                                                     |                    |                   | 10 A                                                                                  | A9D10810          | A9D11810 |                       | A9D12810 |
|                                                                                     |                    |                   | 16 A                                                                                  | A9D10816          | A9D11816 |                       | A9D12816 |
|                                                                                     |                    |                   | 20 A                                                                                  | A9D10820          | A9D11820 |                       | A9D12820 |
|                                                                                     |                    |                   | 25 A                                                                                  | A9D10825          | A9D11825 |                       | A9D12825 |
|                                                                                     |                    |                   | 32 A                                                                                  | A9D10832          | A9D11832 |                       | A9D12832 |
|                                                                                     |                    |                   | 40 A                                                                                  | A9D10840          | A9D11840 |                       | A9D12840 |
|                                                                                     |                    |                   | 45 A                                                                                  | A9D10845          | A9D11845 |                       | A9D12845 |
| Operating frequency                                                                 |                    |                   | 50...60 Hz                                                                            |                   |          |                       |          |

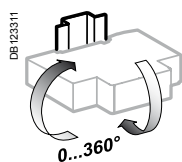
| Accessory                            |          |
|--------------------------------------|----------|
| Type                                 |          |
| Padlocking device (bag of 10 pieces) | A9A27049 |

## Technical data

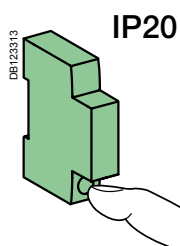
| Main characteristics                                          |                             | iC60H RCBO     |
|---------------------------------------------------------------|-----------------------------|----------------|
| Insulation voltage (Ui)                                       |                             |                |
| Rated impulse withstand voltage (Uimp)                        |                             |                |
| Rated residual operating current (IΔn)                        |                             | 10, 30, 100 mA |
| Thermal tripping                                              | Reference temperature       |                |
| Temperature derating                                          |                             |                |
| Limitation class                                              |                             |                |
| Surge current withstand (8/20 μs) without tripping            |                             |                |
| Rated nominal breaking capacity (Icn)                         |                             | 10,000 A       |
| Phase/earth rated residual breaking and making capacity (IΔm) |                             | 7,500 A        |
| Additional characteristics                                    |                             |                |
| Degree of protection                                          | Device only                 |                |
|                                                               | Device in modular enclosure |                |
| Endurance (O-C)                                               | Electrical                  |                |
|                                                               | Mechanical                  |                |
| Operating temperature                                         |                             |                |
| Storage temperature                                           |                             |                |
| Tropicalization                                               |                             |                |



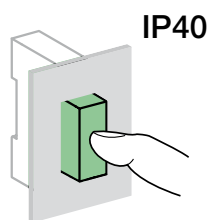
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20

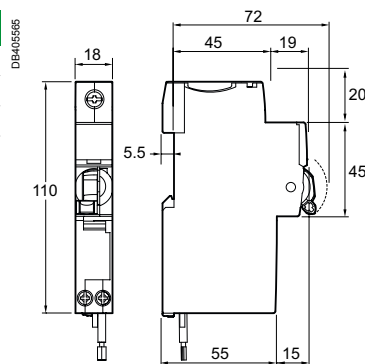


IP40

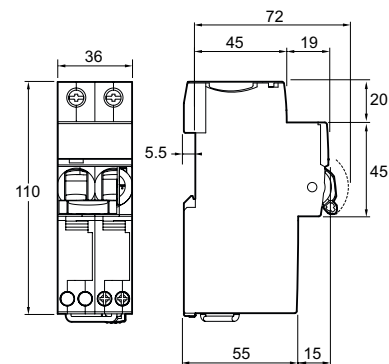
## Weight (g)

| iC60 RCBO   |     |
|-------------|-----|
| iC60N RCBO  | 205 |
| iC60H RCBO  | 205 |
| iC60H2 RCBO | 332 |

## Dimensions (mm)



iC60N RCBO, iC60H RCBO



iC60H2 RCBO