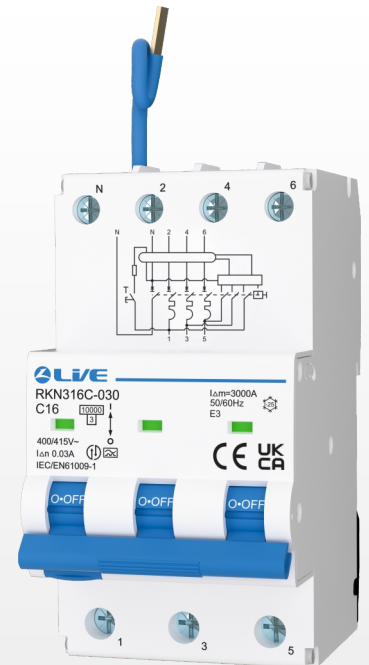


© Product installation and operation guide



TYPE A RCBO



LIVE ELECTRICAL DISTRIBUTION UK LTD

4 Queensmead Place, Textilose Road, Manchester, M17 1PH
Tel: 0161 8702592 Web: www.liveelectrical.co.uk
E-mail: sales@liveelectrical.co.uk



Ensure that these instructions are made available to the end user for future reference.

TYPE A RCBO

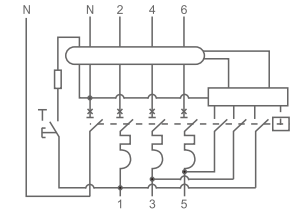
Technical Data

| | |
|--|--|
| Standard | IEC/EN61009-1 |
| Protection | Overcurrent and short circuit |
| Type of trip | Ground fault : Electronic |
| | Overload and short circuit : Thermo-magnetic |
| Type of protection (electric leakage) | A |
| No. of poles | 3P+N |
| Rated voltage (Ue) | 400/415V~ |
| Rated currents (In) | 6,10,16,20,25,32,40A |
| Rated sensitivity currents (I Δ n) | 30mA |
| Residual current off-time under (I Δ n) | ≤ 0.1s |
| Rated residual making and breaking capacity (I Δ m) | 500A(In≤50A), 10In(In>50A) |
| Rated frequency | 50/60Hz |
| Rated breaking capacity | 10kA |
| Energy limiting class | 3 |
| Rated impulse withstand voltage(1.2/50) (Uimp) | 4,000V |
| Dielectric test voltage at Ind. freq. for 1 min | 2kV |
| Thermal release characteristic | (1.13-1.45) x In |
| Magnetic release characteristic | B: (3-5) x In, C: (5-10) x In |
| Electrical life | 4,000 Cycles |
| Mechanical life | 10,000 Cycles |
| Contact position indicator | Yes |
| Protection degree | IP20 |
| Ambient temperature | -25°C to +40°C, Max.95% humidity |
| Terminal connection type | Cable/Pin-type busbar/Fork-type busbar |
| Max.terminal size for cable | Top :10mm ² /Bottom:16mm ² |
| Max.tightening torque | 1.2/2.0N.m |
| Installation | Mounting on 35mm din rail |
| Tripping curves | B,C |
| Bidirectional with switch neutral | |

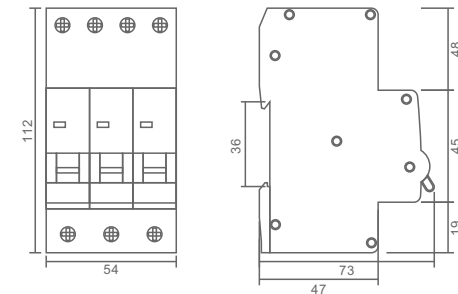
Wiring Capacity

| Rated current In (A) | Cross section area s (mm ²) | Tightening torque (N.m) |
|----------------------|---|-------------------------|
| 6 | 1 | 1.2/2.0 |
| 10 | 1.5 | 1.2/2.0 |
| 16 | 2.5 | 1.2/2.0 |
| 20 | 2.5 | 1.2/2.0 |
| 25 | 4 | 1.2/2.0 |
| 32 | 6 | 1.2/2.0 |
| 40 | 10 | 1.2/2.0 |

Wiring Diagram

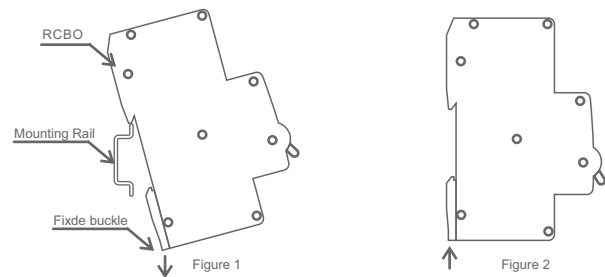


Dimension (mm)

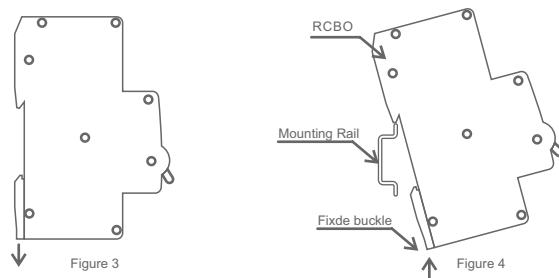


Installation

1. The RCBO is installed in the distribution box, distribution cabinet or box using the TH35-7.5 steel mounting rail.
2. Generally, the RCBO should be installed vertically, with the handle facing upward to power on
3. There should be no significant impact and vibration at the installation place
4. Connection method: Tighten the connection with screws
5. The external magnetic field of the installation site shall not exceed 5 times of the earth magnetic field in any direction
6. Installation and disassembly:



a. Installation: Pull the fixed buckle of the RCBO down in the direction of arrow 1 according to figure 1, and then put the RCBO in align the rail with the upper end of the installation guide rail (see figure 1), and ensure that the bottom of the RCBO is fully aligned with the installation guide rail. After that (see figure 2), push the fixed buckle of the RCBOB into the lower end of the installation guide rail according to the arrow direction in Figure 2 to release it.



b. Disassemble: Pull the fixed buckle of the RCBO down in the arrow direction as shown in figure 3, and then pull the RCBO as shown in figure 4. The lower end of the RCBO is lifted up and pushed upward, then the RCBO can be removed.

Environment

Waste electrical products should not be disposed of in household waste contact your retailer or local authority for recycling information.