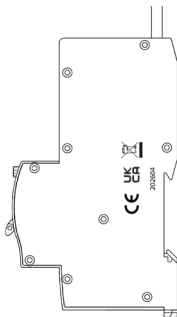
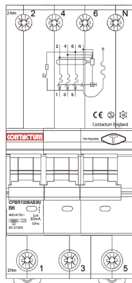


Installation Instructions

CONTACTUM



3P+N RCBO



Important safety information

- Installation and testing must only be carried out by a competent person in accordance with the current edition of BS 7671 (IET Wiring Regulations) and all applicable local regulations.
- Isolate the electrical supply before commencing work and verify that the circuit is de-energised using an approved voltage indicator.
- Ensure that the device ratings are suitable for the intended application and prospective fault current at the point of installation.
- Retain these instructions for future reference.

Contactum Limited

Unit 18 Eyncourt Road, Woodside Estate, Dunstable, LU5 4TS
Tel: +44 (0) 208 208 7419 | sales@contactum.co.uk



Product codes

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Rating	Product Code:	B, C or D:*	Suffix
06A	CPBR1006A	-	3N
10A	CPBR1010A	-	3N
16A	CPBR1016A	-	3N
20A	CPBR1020A	-	3N
25A	CPBR1025A	-	3N
32A	CPBR1032A	-	3N
40A	CPBR1040A	-	3N
50A	CPBR1050A	-	3N
63A	CPBR1063A	-	3N

*Add code: B, C or D for curve type

Example: CPBR1006AB3N

Product specification

Specification	Value
Nr. of poles	3 Pole + Switched N
Breaking capacity	10kA
Tripping current	30mA
Class	Type A
Rated voltage	400V/415V
Frequency	50/60Hz
Residual breaking capacity	2000A
Residual non-operated current	0.5I Δ n
Protection degree	IP20
Terminal Capacity Rigid	32mm ² (In), 25mm ² (Out)
Terminal Capacity Flexible	25mm ² (In), 16mm ² (Out)
Recommended Torque	In: 2 Nm, Out: 2 Nm
Temperature rating	-5 to 40 °C
Standard	IEC/EN 61009

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A 3P+N RCBO combines overcurrent protection and residual current protection within a single device. The unit provides:

- Protection against overload currents.
- Protection against short-circuit currents.
- Protection against residual fault currents.
- Simultaneous switching of three phase conductors and neutral.

The device is intended for installation within Defender B Boards.

Installation

1. Isolation

- Switch OFF and isolate all relevant incoming supplies.
- Secure against inadvertent reconnection.
- Confirm absence of voltage.

2. Mounting

- Mount the 3P+N RCBO securely onto a 35 mm DIN rail.
- Ensure that the device is correctly aligned and fully engaged with the DIN rail.

3. Wiring

- Connect the incoming and outgoing conductors in accordance with the markings shown on the device.
- Ensure that all phase conductors and the neutral conductor are terminated in the correct terminals.
- Verify that the neutral conductor associated with the protected circuit is connected only to the RCBO neutral terminal and not to any other neutral bar unless specified by the manufacturer.
- Tighten all terminal screws to the torque value indicated on the device marking.
- Use conductors of suitable size and type for the installation.

4. Inspection

Before energisation, verify:

- Correct polarity.
- Secure termination of all conductors.
- Integrity of protective conductors.
- Compliance with the installation design.

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Commissioning and testing

Following installation, inspection and testing shall be carried out in accordance with BS 7671.

1. Re-energise supply, switch the device on.
2. Operate the integral TEST button to verify the mechanical operation of the RCBO.
3. Confirm that the device disconnects the supply when the TEST button is operated.
4. Measure and verify residual current disconnection times using suitable test equipment.
5. Record test results as required by the installation certification.

The TEST button is intended solely to verify the operation of the residual current function and should only be operated when the device is energised.

Periodic testing

The TEST button should be operated at regular intervals to verify correct operation. The recommended frequency should be determined by the responsible person in accordance with the installation risk assessment and maintenance regime and requirements of BS7671.

If the device fails to operate when tested:

- Isolate the supply immediately.
- Investigate the cause.
- Replace the device if necessary.



Visit our website for
additional resources



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