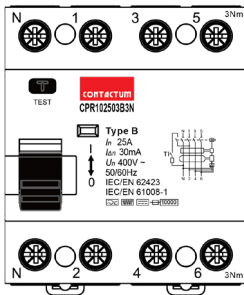
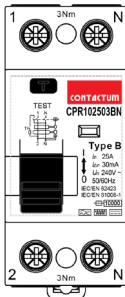


Installation Instructions

CONTACTUM

Type B RCDs



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.

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Product codes

1P+N

Rating	Product Code	--Tripping current:
25A	CPR1025--BN	03 - 30mA
40A	CPR1040--BN	10 - 100mA
63A	CPR1063--BN	30 - 300mA
80A	CPR1080--BN	Example CPR1025 03 BN

3P+N

Rating	Product Code	--Tripping current:
25A	CPR1025--B3N	03 - 30mA
40A	CPR1040--B3N	10 - 100mA
63A	CPR1063--B3N	30 - 300mA
80A	CPR1080--B3N	Example CPR1025 03 B3N

Product specification

Breaking capacity	10kA
Frequency Response Range	0-1000Hz
Rated voltage (1P+N)	230V
Rated voltage (3P+N)	400V
Frequency	50/60Hz
Terminal capacity (S)	1-35mm ²
Recommended Torque	3 Nm
Ambient Temperature	-5 °C to +40 °C
Standards	IEC/EN 61008, IEC/EN 62423

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Product application

Type B RCDs provide protection against residual alternating currents, pulsating direct currents and smooth direct residual currents. They are suitable for applications including:

- Electric vehicle charging installations
- Variable speed drives
- Photovoltaic systems
- Battery energy storage systems
- Other equipment capable of generating smooth DC residual currents

Installation

1. Isolation

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

2. Mounting

- Mount the RCD onto a 35 mm DIN rail within a suitable enclosure providing the required degree of protection.
- 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 on the device.
- Ensure that conductors are correctly identified and terminated.
- Tighten all terminal screws to the torque value marked on the device.
- Use conductors of the appropriate 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 RCD.
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.



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