



1 Presentation

Residual Current Circuit Breaker (RCCB)

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Isolate, lock off and label the power sources before and during the installation and the maintenance.

Failure to follow these instructions will result in death or serious injury.

The installer must ensure that all electrical connections are tight and that satisfactory earthing has been achieved.

These installation instructions must be handed by the end user according to IS 12640-1:2008 standard.

2 Installation

xID must be installed on standard 35 mm DIN rail channel as per DIN 46277.

Ingress Protection

xID has finger-proof IP 20 terminals. It is advisable to mount xID inside panel/distribution boards having degree of protection more than IP 30 to IP 65 depending on surrounding conditions. Higher degree of protection can be achieved with Schneider Electric distribution boards.

NOTICE

HAZARD OF IMPROPER OPERATION

Protect, as per IEC 61008, each xID RCCB by suitable overcurrent protection device, I;E; fuse or MCB.
Failure to follow these instructions can result in death, serious injury, or equipment damage.

3 Connection

1. The incoming supply cables can be connected to either the top or bottom terminals as required.
2. To ensure the correct operation of the RCCB all the live and neutral conductors feeding the installation must be connected to the device.
3. All electrical equipment protected by the RCCB must be effectively earthed and the measured value of the earth loop impedance in ohms must be such that the product of this value, and the operating current does not exceed 50 (411-8-3 BS 7671).

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations.

As standards, specifications and designs change from time to time, always ask for confirmation of the information given in this publication.

4 Test

RCCB must be in ON position and the power supply be switched ON.

1. To test the operation of the RCCB after installation, press the test button on the front of the device.

The RCCB should trip every time: failure to do so indicates either no supply to the RCCB or a faulty device.

2. A test for the effectiveness of the RCCB in the protected installation should be carried out, monthly, as detailed in 713-12-01 BS 7671.



NOTICE

HAZARD OF IMPROPER OPERATION

Do not use Test Button to switch OFF RCCB.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Short Circuit Protective Devices for Schneider Electric RCCB

Each RCCB must be protected against over-current using a suitable Short Circuit Protective Device (SCPD) as given below:

RCCB Rating (A)	MCB Rating (A)			
	32	40	63	100
40	■	■	■	
63			■	
100				■

Test Certificate

We hereby, Schneider Electric declares that our product

Description: Residual Current Circuit Breaker (RCCB)

Range: Acti 9

Brand: Schneider Electric

are tested at our factory as per routine tests stated in IS 12640-1: 2008
IEC61008-1: 1996

Tests	Result
Tripping test	
Trip Current	Ok
Tripping Time	Ok
Electric Strength Test at 1500V	Pass
Performance of the test device	Pass

IS 12640-1



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