

## RCCB



**Schneider**  
Electric

## 1 Presentation

The equipment must be installed, operated and maintained by competent personnel according with the appropriate statutory regulations and rules of practice e.g. the current ELECTRICITY AT WORK REGULATIONS, BRITISH STANDARD REQUIREMENTS FOR ELECTRICAL INSTALLATIONS.



### 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.

## 2 Mounting

1. The correct functioning of the RCCB should be regularly checked by operating the test button. It is therefore recommended that the device is mounted such that it is in an accessible position.
2. The RCCB can be mounted on either 35mm symmetrical Din rail or directly on to a flat surface by fixing a screw(s) into the flat surface and leaving it proud. Locate RCCB up under the screw and insert another screw through the Din rail clip, see figures 1 and 2.
3. RCCB's complying with BS/EN 61008 are designed for use in clean, dry, environments. Should the device be installed in an atmosphere which is subject to high or excessive pollution, please seek advice.

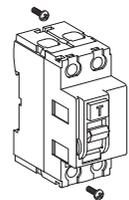


Figure 1

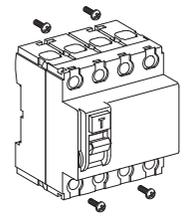


Figure 2

## 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).

## 4 Test

1. After installation of the RCCB, it is recommended that the insulation resistance of all the protected live and neutral conductors is measured with respect to earth. This can be carried out by using a 500V insulation tester connected between the main earthing terminal and each of the RCCB outgoing terminals in turn with the device in the "OFF" position. The insulation resistance measured shall not be less than 1 megaohm.
2. 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.
3. A test for the effectiveness of the RCCB in the protected installation should be carried out as detailed in 713-12-01 BS 7671.

### Schneider Electric Industries SAS

35, rue Joseph Monier  
CS 30323  
F - 92506 Rueil Malmaison Cedex  
RCS Nanterre 954 503 439  
Capital social 896 313 776 €  
www.schneider-electric.com

S1B33652-00

### 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.

© 11-2011 Schneider Electric - All rights reserved.