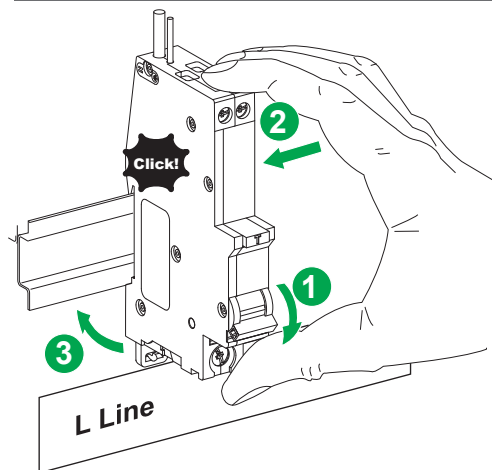




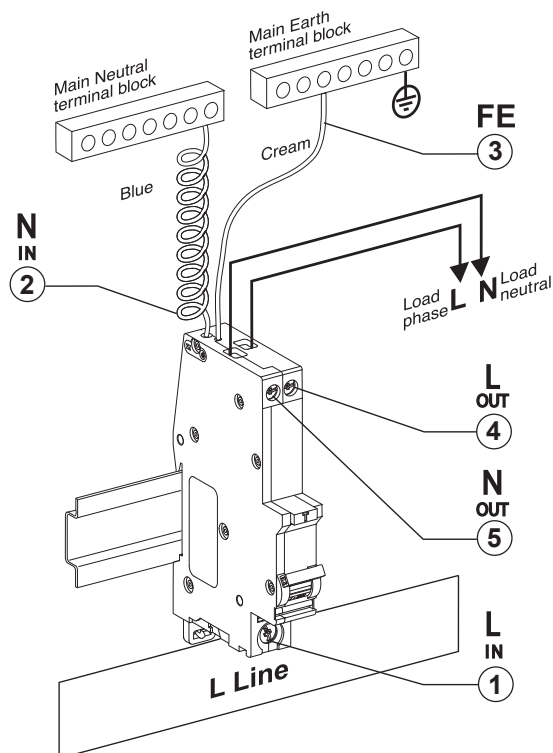
**Schneider**  
Electric

# 1 Installation



**Installation within consumer unit :**  
 ■ 1 Switch the device OFF before mounting.  
 ■ Introduce the Dom RCBO into the busbar 2 and clip it on to the mounting rail 3.

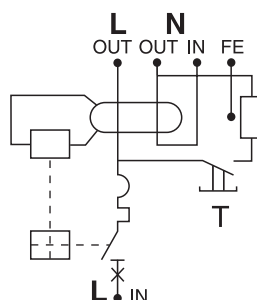
## 2 Connection



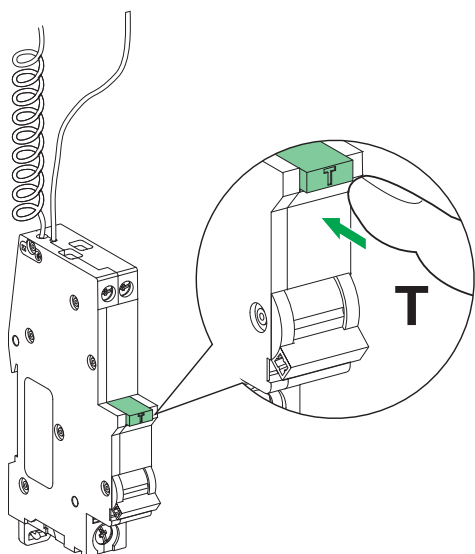
- Check Dom RCBO is OFF.
  - Screw the incoming terminal 1 **L in** onto the busbar system or the line phase cable.
  - Cut to the appropriate length and connect the blue/black flying neutral supply lead 2 **N in** to the neutral terminal block.
  - Cut to the appropriate length and connect the cream flying earth lead 3 **FE** to the earth terminal block.
  - The load connections are made to the outgoing terminals of the unit marked L (load) 4 **L out** and N (load) 5 **N out**.
- The load neutral wire must not be connected to the neutral terminal block of the consumer unit.**

### Terminal capacity:

- Phase **L in**: 25 mm<sup>2</sup> (tightening torque 2 N.m).
- Phase **L out** and neutral **N out**: 16 mm<sup>2</sup> (tightening torque 2 N.m).



## 3 Testing



### Periodic test:

- To test the operation of the Dom RCBO after installation, press the test button "T" on the front of the device. The Dom RCBO should trip every time, failure to do so indicates either no supply to the Dom RCBO, or a faulty device.
- A test for the effectiveness of the Dom RCBO in a protected installation should be carried out periodically as detailed in local regulation and standards, using suitable test equipment.
- In case no such regulation applies, Square D recommends to test the device:
  - every 6 months for new devices installed in fair conditions
  - every 3 months for devices installed in fair conditions after 7 years or more
  - every month for devices working in corrosive, heavy-duty or highly exposed to lightning risk environments.

### Megger test

Dom RCBO must be disconnected before any High Voltage dielectric tests are carried out.

## 4 Regulation and standards

This range complies with the following standards: IEC 61009-2-2, BS EN 61009-1.

**Note: Check compatibility with earthing system, do not use on installations which require double pole switching eg. IT or TT systems.**

### Indirect contact protection

All electrical equipment protected by the Dom RCBO must be effectively earthed.

The measured value of the earth resistance in ohms must be such that the product of this value per the residual operating current of the Dom RCBO in amps, does not exceed 50 Volts.

Eg. the maximum, permissible earthing resistance is as follows:

Device Sensitivity	Maximum Earthing Resistance
30 mA	1666 ohms

### Additional direct contact protection:

- The Dom RCBO cannot be used as a sole means of protection against direct contact, but it can be used to reduce the risk associated with direct contact, providing the conditions related in the current edition of the wiring regulations are observed.
- For this purpose Dom RCBO sensitivity shall be 30 mA.

## 5 Specifications

**Terminal capacity:** Phase L in: 25 mm<sup>2</sup> (tightening torque 2 N.m)

**Phase L out & Neutral N out:** 1 to 16 mm<sup>2</sup> (tightening torque 2 N.m)

**Insulation voltage:** Device must be disconnected before any High Voltage dielectric tests are carried out.

**Rated voltage:** 230 V AC, +10 %, -15 %, 50...60 Hz

**Impedance:**

■ L/N: 75 kΩ

■ L/E: 130 kΩ

■ N/E: 95 kΩ

**Neutral pole:** Solid neutral

**Type:** A

**Sensitivity:** 30 mA

## 6 Health & Safety at work, etc Act 1974 (United Kingdom)

To ensure that the equipment described is safe for both personnel and property it should be installed, commissioned and maintained by or under the supervision of qualified persons. Regard should be taken of IEE Wiring Regulations, Codes of Practice, statutory requirements and any specific instructions issued by Schneider Electric. Any operating or installation queries relating to these products should be communicated directly with Schneider Electric.

### 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

**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.

© 08-2011 Schneider Electric - All rights reserved.