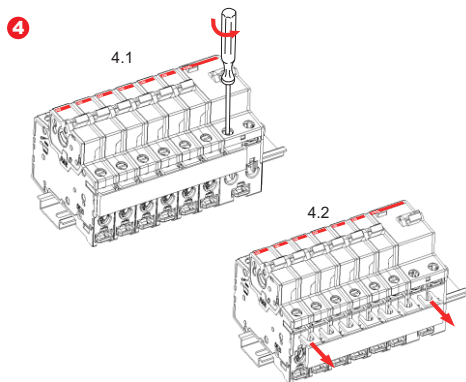


Figure 4 :

In case of Maintenance or for Replacing the Product, Remove the BMFW RCCB, it's Necessary to unscrew the Lower & Upper Terminals (4.1), To Remove the busbar, pull it backward (4.2) and then follow the procedure as given in 2.2; the BMFW can be removed by lifting it upwards.



5. Electrical connections

In a three - phase with neutral network all line wires and neutral should be connected (excluding the protection wire) The wires should be firmly connected in the terminals, for torque application refer product marking.

6. Instruction to the users

(This Instruction sheet to be kept available for future users as well) Remember to press the "T" test button regularly (once every six months) during Powered ON. The RCCB should trip. If it does not happen, an authorized electrician should be alerted immediately because the system safety has been reduced. Always call a qualified technician to carry out any work on fixed or mobile electrical installation.



Formula BW

BMFW AC RCCB - Certificate of Test

Certified that routine tests measures below as per EN/ IEC 61008 - 1, IS 12640 (Part 1) are carried out on ABB RCCB



- H.V. test at 2.5 kV : WITHSTOOD
- Sensitivity test
 - Trip Level : OK
 - Trip Time : OK
- Test for verification of test device performance : OK

Test By : _____

1. Product Technical data

BMFW AC : Alternate currents

Standard : EN/ IEC 61008 - 1

Rated current I_n : 25, 40, 63A

Rated Sensitivity $I_{\Delta n}$: 30, 100 & 300mA

Rated voltage U_e : Two Pole : 230V
Four Pole : 230/400V

Rated conditional short-circuit current $I_{nc} = I_{\Delta c}$: 10kA (with a SCPD*)

*Recommended SCPD :

25A RCCB : 25A SCPD

40A RCCB : 40A SCPD

63A RCCB : 63A SCPD

Rated residual breaking

capacity $I_{\Delta m} = I_m$: 1kA

Rated impulse withstand

voltage (1.2/50) U_{imp} : 4kV

2. Power supply

Power supply to the breaker may be provided either from upper or lower terminal.

3. Protection against over current

The RCCB's must be used with Short Circuit Protection Device to provide circuit protection against overloads and short circuit faults.

4. Assembly

Designed to fitting on symmetrical DIN rail to standard EN60715, 35 mm width with fast clip included in the breaker. It is possible to realize the wiring with both Fork & Pin type Bus bar on the Lower Side Terminal (1.1) with BMSW & BMSWM Series MCB's

Figure 2 :

Assembly of product on DIN rail (2.1) & Removal (2.2)

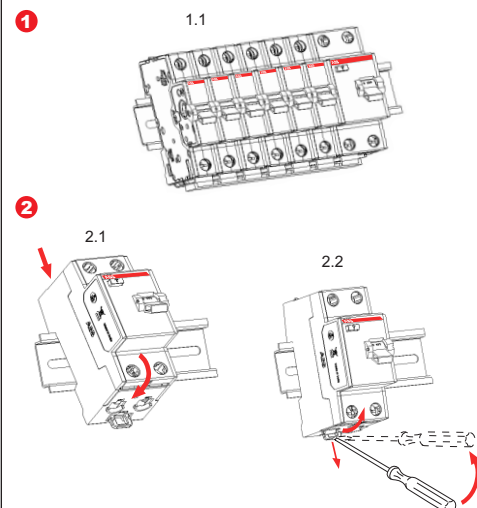


Figure 3:

To connect the BMFW RCCB, to a group of BMSW & BMSWM MCB's, first align all the MCB's & RCCB as per scheme and fix on DIN Rail and then engage the Fork & Pin type Bus bar at the Lower Side Terminal of the products (as shown in the Fig.)

