



DGB1LE-63 RCD Blocks

Product Description

• The Residual Current Blocks DEB1LE-63 facilitates the customers to assemble the product with proper MCBs in order to combine the protection against indirect contacts, offered by a standard RCCBs, with the protection against short circuit and overloads. This flexibility is an added advantage for the ones who desire to maintain the stock level at a minimum, providing a solution for wide range of applications with a handful of RCD blocks.

DGB1LE block is mechanically manufactured to prevent an ill coupling between the block and the breaker: in fact, the rating of the block should always be greater or equal than the rating of the MCB. The side plastic clamp permits a quicker assembly of the block on the MCBs, then a button preserves it from possible disconnections.

Functions

- Assembled with MCBs to combine protection against indirect contacts ,short circuit and overloads.
- Protection against the effects of sinusoidal alternating earth fault currents

Technical Specifications

- Standard: IEC61009-1
- Certifications: CE
- Type(wave form of the earth leakage sensed): AC,A
- Number of poles (P): 2,3,4
- Rated current In (A): 40,63
- Rated frequency (Hz): 50/60
- Rated voltage Ue (VAC): 230/400
- Rated insulation voltage Ui (VAC): 500
- Rated residual current $I_{\Delta n}$ (mA): 30,100, 300
- Rated breaking capacity: ICN of the associated MCB
- Rated residual breaking capacity $I_{\Delta m}$ (kA): ICN of the associated MCB
- Electrical life(times): 4000
- Mechanical life(times): 100000
- Degree of protection: IP20, with connected conductors
- Mounting position: Any
- Conductor cross-sections:

Solid and stranded(mm²): 0.75-35

Finely stranded with end sleeve(mm²): 0.75-25

Terminal tightening torque(N.m): 2.8

- Ambient temperature(°C): -25~+45,max. humidity is 95%
- Storage temperature(°C):-40~+75
- Altitude Max(meters): 2000

Features

- Electronic type(voltage dependent) and Electromagnetic(voltage independent) for user to select.
- Apt to be connected with the proper MCB preventing wrong coupling
- Fast connection of the incoming terminals of the MCB
- The installation is safe as the coupling elements are not losable

Types

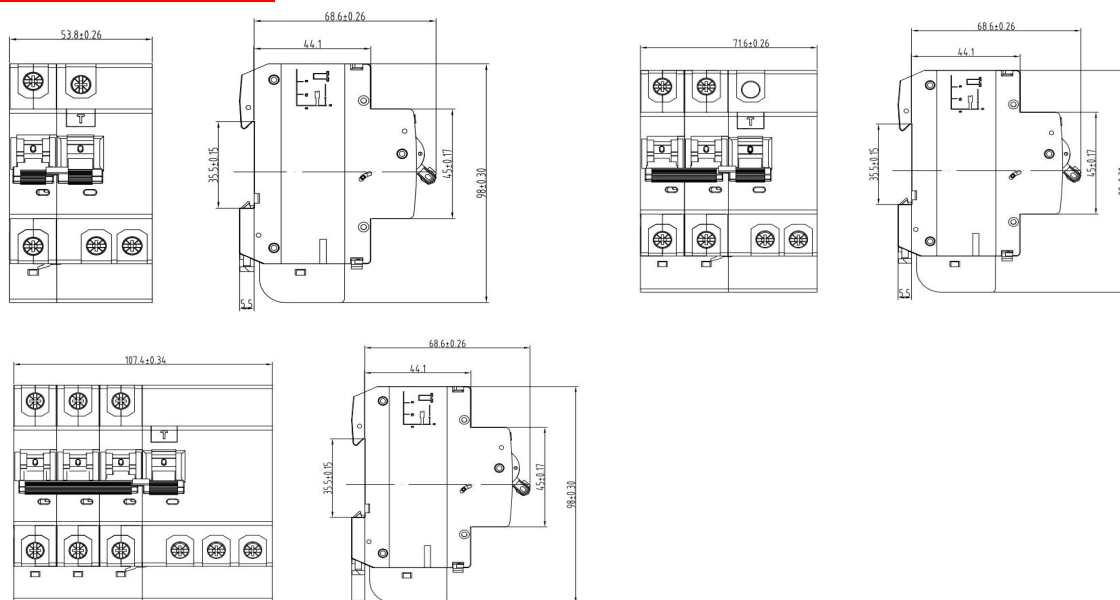
Both RCCBS and RCBOS are divided into two types according to the operating function:

- Type AC: For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising
- Type A: For which tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising.

Tripping Sensitivity Data

- RCD with a rated residual current of maximum 30mA is used for personnel, material and fire protection, as well as for protection against contact.
- RCD with a rated residual current of maximum 300mA as preventative fire protection in case of insulation faults
- RCD with a rated residual current of 100mA co-ordinates with earth system according to the formula $I\Delta n < 50/R$ to provide protection against indirect contacts.

Product Dimensions



Assembly Diagram

