Residual Current Circuit Breakers B6 with Overload Protection

IMO

Technical Datasheet

The IMO range of B6 residual current circuit breakers with overload protection have been designed for protection of electrical installations against earth fault/leakage, overload and short circuit and are manufactured in accordance with IEC 61009.

Technical Data

- Provides protection against earth fault/leakage current, overload, short circuit & isolation
- Contact position indicating window; transparent protective label cover
- High short circuit current withstand capacity
- Finger protected connection terminals
- Single module device (only 18mm wide)
- Compatible with MCB accessories range
- Neutral on left hand side

Tripping characteristics in accordance with B and C type curves

- Curve B: 3-5 I_n
- Curve C: 5-10 I_n

CE

Options & Ordering Codes

B6	B	R	C	1N	20	-	30	-	A

Series

RCBO 6kA	B6

Trip Characteristic

Curve Type	B
Curve Type	C

Residual Current	R

Compact Size	C

Pole Configuration

Single Pole + Neutral (on left)	1N

Rated Current

6	6 Amps
10	10 Amps
16	16 Amps
20	20 Amps
25	25 Amps
32	32 Amps

Residual Operating Current

30	30mA

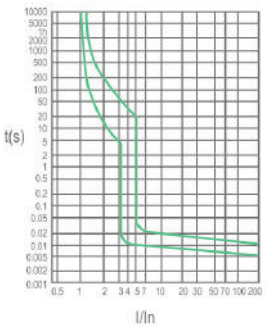
Current Characteristics

AC	Nil
A	Type A
2	Bidirectional
A2	Type A Bidirectional

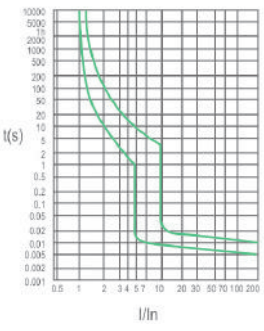
Specifications

In accordance with	IEC 61009
Certification	CE
Pole composition	1P+N
Tripping curve	B, C
Rated frequency	50Hz
Rated operational voltage	240VAC
Rated current	6A, 10A, 16A, 20A, 25A, 32A
Rated short circuit capacity	6kA
Rated residual operating current, IΔn	30mA
Residual tripping current range	0.5 IΔn ~ 1 IΔn
Electromechanical lifetime	> 4,000 cycles
Tightening torque	1.2 Nm
Terminal capacity	up to 25mm²
Screw type	M4
Mounting	DIN Rail EN 60715 (EN50022)
Protection degree	IP20

Tripping Curve B



Tripping Curve C



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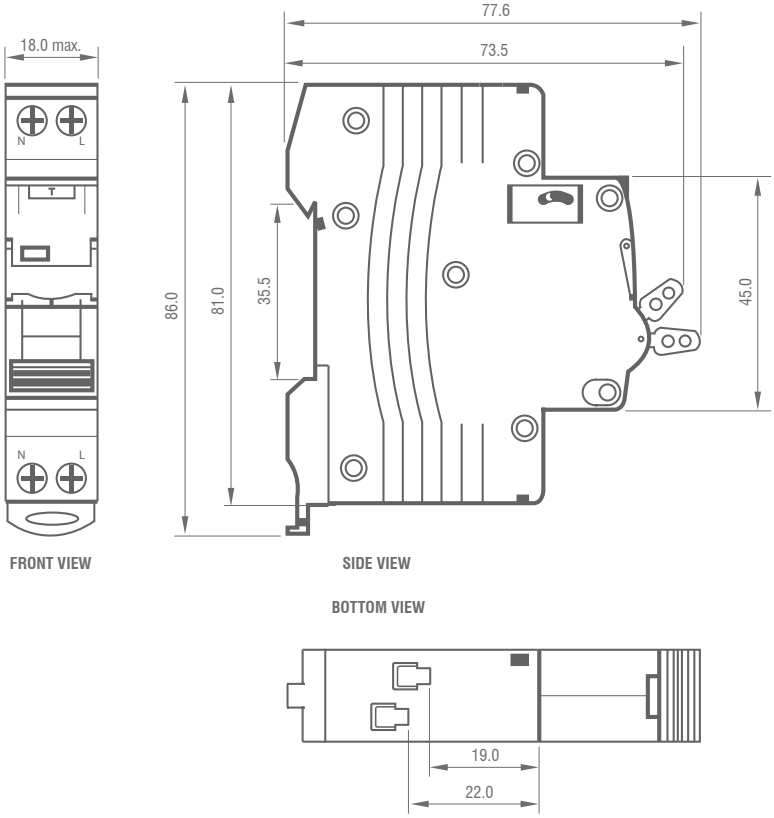
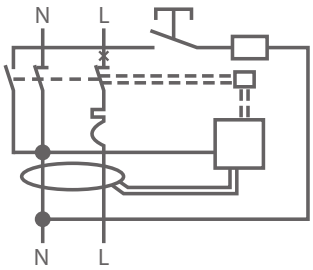
Dimensions (mm)



Wiring Diagram



Accessories

Auxiliary Switch	B10-F3
For monitoring the status of the protection device (open/closed)	
1 pole changeover (for C & D curve only)	
Rated current: 6A @ 230VAC & 24VDC or 3A @ 400VAC	
Dielectric Strength: 2000V/1min	
Terminal Capacity: 1-4mm²	
Mounting on the Left side	

Please Note: Test Button "T" is recommended to be tested monthly.