



Miniature RCBO

Residual current breaker with overcurrent

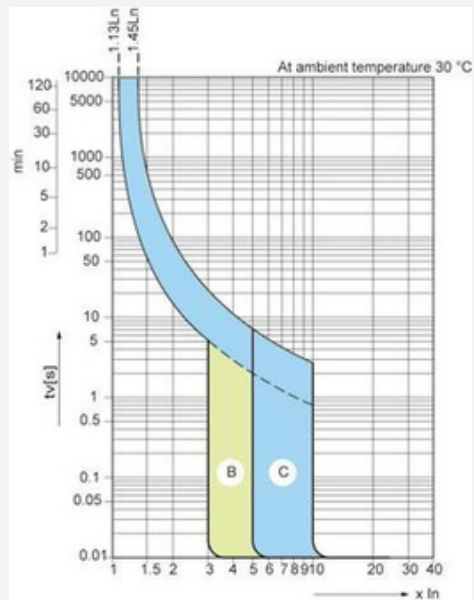
Product Description

MExcel series Residual Current Breaker with Overcurrent is mainly used in AC 50Hz with rated working voltage 230V and with rated current up to 40A. In case of personal electric shock or when the grid leakage current exceeds the specified value, the RCBO can work to quickly cut off the power supply within the very short time for protection of the safety of personnel and electrical equipment. Suitable for industrial, commercial and domestic installations.



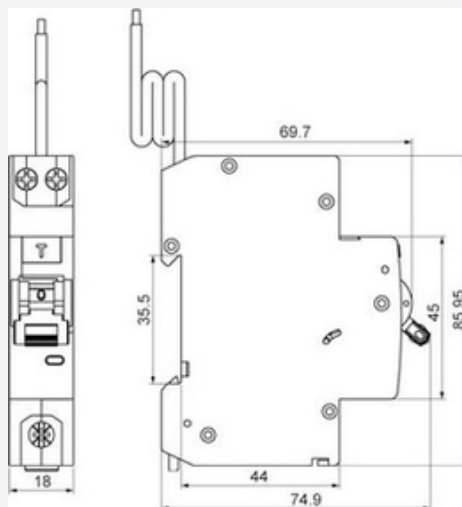
The main technical parameters

Product name	RCBO
Standards	IEC61009-1
Certificate	CE, UKCA
Electrical characteristics	
Number of poles	1P+N
Rated frequency (Hz)	50/60
Frame current (A)I _{nm}	40
Rated current (A)I _n	6,10,16,20,32,40
Rated voltage (V)	AC230
Rated insulation voltage (V)U _i	500
Rated impulse withstand voltage (kV)U _{imp}	4
Rated short-circuit breaking capacity (kA)I _{cs}	6
Rated short-circuit breaking capacity (kA)I _{cn}	6
Instantaneous trip characteristics	B,C
Trip form	Thermal, magnetic and Leakage trip
Pollution level	2
Rated residual action current (mA)	30
Max. breaking time at the rated residual current	0.1s
Wave form of earth leakage sensed	AC/A
Mechanical properties	
Electrical life	4000
Mechanical life	10000
Protection grade	IP20
Indicator window	Contact status indication
Normal operation conditions and installation characteristics	
Storage temperature	-35°C ~+70°C
Installation site altitude	≤ 2000m
Terminals	Fixed with screw
Maximum wiring capacity	In 16mm ² Out 6mm ²
Maximum limit torque Nm	3.5
Installation category	Class II , III
Installation method	35mm standard rail
Incoming method	Upper and lower



Product and installation dimensions(MM)

Miniature RCBO should be installed on DIN rail terminal and can be connected to the wire less than 16mm²



Order information

- Please specify the product model and specification, and the type, rated current, number of poles, and order quantity of the instantaneous release when ordering.
- Order example: Miniature RCBO series, such as: RCBO-132B-030 residual current operated circuitbreaker
- Trip type, such as: B Curve
- Number of poles of product, such as 1P+N
- Rated current, such as 32A
- Rated residual operating current, such as: 30mA
- type wave form of earth leakage sensed such as: A type
- Order quantity, such as: 1000 units
- Specified as: RCBO-132B-030 1000 units