JHM16-63
Miniature Circuit Breaker

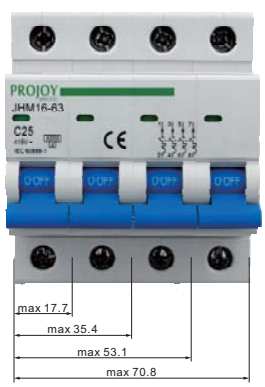
Construction and Feature

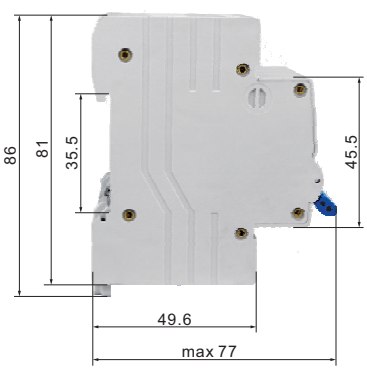
- ■ The state-of-art design
- □ Elegant appearance; cover and handle in arc shape make comfortable operation.
- □ Contact position indicating window
- □ Transparent cover designed to carry label.
- ■ Handle central-staying function for circuit fault indicating
- □ In case of overload, to protected circuit, MCB handle trips and stays at central position, which enables a quick solution to the faulty line. The handle cannot stay in such position when operatedmanually.
- ■ High short-circuit capacity
- □ High short-circuit capacity 10KA for whole range and 15kA capacity for current rating up to 40A thanks to the powerful electric arc extinguishing system.
- □ Long electrical endurance up to 6000 cycles thanks to quick making mechanism.
- ■ Handle padlock device
- □ MCB handle can be locked either at “ON” position or at “OFF” position to prevent unwanted operation of the product.
- ■ Screw terminal lock device
- □ The lock device prevents unwanted or casual dismounting of connected terminals.

Technical Data

- ■ Pole No.: 1, 1P+N, 2, 3, 3P+N, 4
- ■ Rated voltage: AC 230/400V
- ■ Rated current (A):
  1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63
- ■ Tripping curve: B, C, D
- ■ High short-circuit breaking capacity (Icn): 10kA
- ■ Rated service short circuit breaking capacity(Ics): 7.5kA
- ■ Rated frequency : 50/60Hz
- ■ Energy limiting class: 3
- ■ Rated impulse withstand voltage: 6.2kV
- ■ Electro-mechanical endurance: 20000
- ■ Contact position indication
- ■ Connection terminal
- □ Screw terminal
- □ Pillar terminal with clamp
- ■ Connection capacity: Rigid conductor up to 25mm^2
- ■ Terminal Connection Height: 19mm
- ■ Fastening torque: 2.0Nm
- ■ Installation:
- □ On symmetrical DIN rail 35mm
- □ Panel mounting

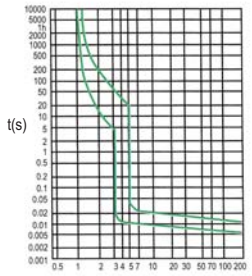
Overall & Installation Dimensions



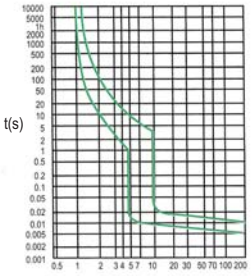


· Tel: +86(0)512-68786489 · Web: www.projoy-electric.com

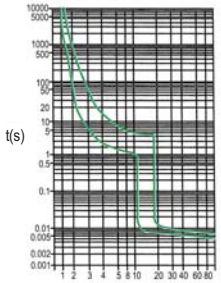
Characteristic Curve



B curve



C curve

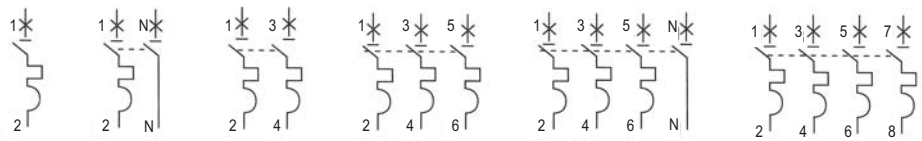


d curve

Power Conumption

Rated current range(InA)	Max consumptiong/pole(W)
In≤10	3
10<In≤16	3.5
16<In≤25	4.5
25<In≤32	6
32<In≤40	7.5
40<In≤50	9
50<In≤63	13

Wiring Diagram



Overload Current Protection Characteristics

Test Procedure	Type	Test Ccurrent	Initial State	Tropping or Non-tripping Time Limit	Expected Result	Remark
A	B,C,D	1.13In	cold[1)]	t≥1h	no tripping	
B	B,C,D	1.45In	after test a	t<1h	tripping	Current in the 5s in the increase of stability
C	B,C,D	2.55In	cold	1s<t<60s(In≤32A) 1s<t<120s(In>32A)	tripping	
D	B	3In	cold	t≥0.1s	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
E	B	5In	cold	t<0.1s	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	20In				

· Tel: +86(0)512-68786489 · Web: www.projoy-electric.com

PROJOY electric