DC JVM16-63 Miniature Circuit Breaker

Standard: IEC60947-2/IEC14048.2

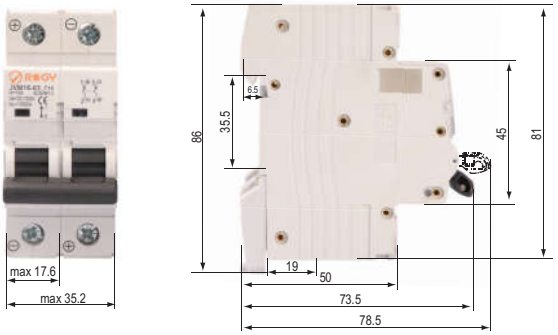
Construction and Feature

- ■ 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, 2
- ■ Rated Voltage: 1P:250V 2P:500V
- ■ Rated Current In(A): 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63;
- ■ Tripping Curve: B, C
- ■ Rated short-circuit breaking capacity: 10kA
- ■ Rated impulse withstand voltage: 6.2KV
- ■ Eletro-mechanical endurance: 10000
- ■ Screw terminal: M5
- ■ Rated torque: 2.0N.m

Overall & Installation Dimensions



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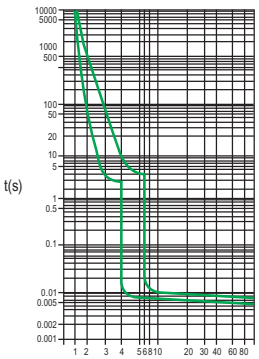
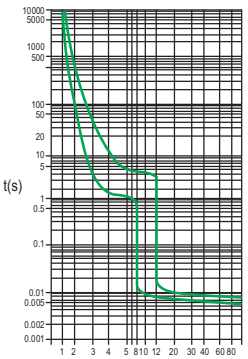
Characteristic Curve

IEC60947-2/IEC14048.2 Standard B (4In<I≤6In), C (8In<I≤12In);

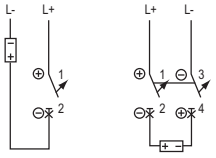


I/In
B curve



I/In
C curve

Wiring Diagram



The anode and cathode must be connected correctly in connecting.

The terminal is of the tunnel type.

Connection area of terminal : 1-32A suitable for conductor of 25mm^2 and below, 40-63A suitable for conductor of 35mm^2

Overload Current Protection Characteristics

Test Procedure	Type	Initial State	Test Current	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B、C	cold	1.05In	t≥1h(In≤63A) t≥2h(In＞63A)	no tripping	
B	B、C	after test a	1.3In	t＜1h(In≤63A) t＜2h(In＞63A)	tripping	Current in the 5 s in the increase of stability
C	B、C	cold	2In	10s＜t＜60s(In≤63A) 20s＜t＜120s(In＞63A)	tripping	
D	B	cold	4In	t≤0.2s	no tripping	Turn on the auxiliary switch to close the current
	C		8In			
E	B	cold	6In	t＜0.2s	tripping	
	C		12In			