JVM16-125 Miniature Circuit Breaker

Standard: IEC60947-2、GB14048.2 **RoHS**

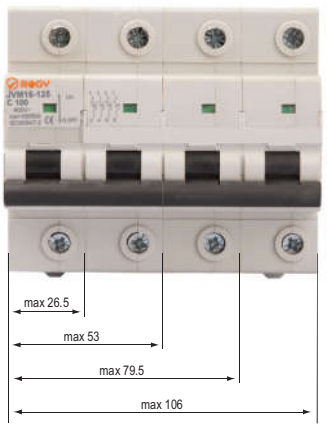
Construction and Feature

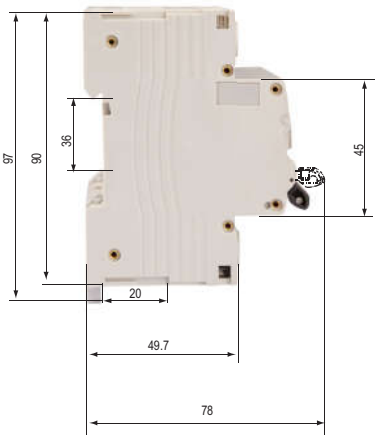
- High short-short capacity 10KA.
- Designed to protect circuit carrying big current up to 125A
- Contact position indication.
- Used as main switch in household and similar installation

Technical Data

- Pole No: 1, 1P+N, 2, 3, 3P+N, 4
- Rated voltage: AC 230/400V
- Rated current(A):20, 25, 32, 40, 50, 63, 80, 100, 125
- Tripping curve: C, D
- ultimate short-circuit breaking capacity (Icu): 10kA
- service short-circuit breaking capacity(Ics):7.5kA
- Rated frequency: 50/60Hz
- Rated impulse withstand voltage:6kV
- Electro-mechanical endurance: In≤100=10000;In125=8000
- Connection terminal: Pillar terminal with clamp
- Connection capacity:
  - Flexible conductor 35mm^2
  - Rigid conductor 50mm^2
- Installation:
  - On symmetrical DIN rail 35mm
  - Panel mounting
- Terminal Connection Height: 20mm

Overall & Installation Dimensions





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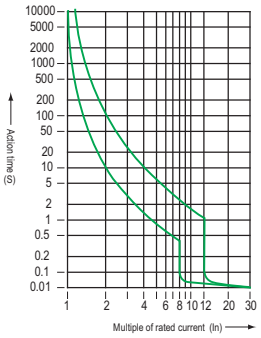
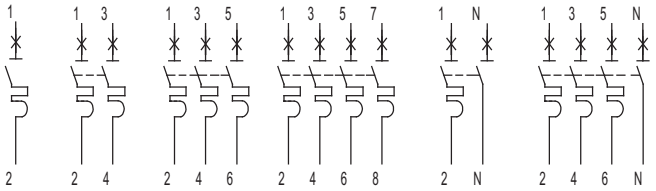
Characteristic Curve



Power Conumption

Rated Current(A)	Voltage Drop(mV)	Consumption(W)
20	141	2.82
25	88	2.2
32	84	2.7
40	105	4.2
50	70	3.5
63	83	5.2
80	68	5.5
100	86	8.6
125	96	12

Wiring Diagram



Overload Current Protection Characteristics

Test	Tripping Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result
a	time-delay	1.05In	cold	t≤1h(In≤63A)　t≤2h(In＞63A)	No Tripping
b	time-delay	1.30In	after test a	t＜1h(In≤63A)　t＜2h(In＞63A)	Tripping
c	time-delay	2In	cold	10s＜t＜60s(In≤63A)　20s＜t＜120s(In＞63A)	Tripping
d	instantaneous	8In	cold	t≤0.2s	No Tripping
e	instantaneous	12In	cold	t＜0.2s	Tripping