

Ev30-125 Series Miniature Circuit Breaker

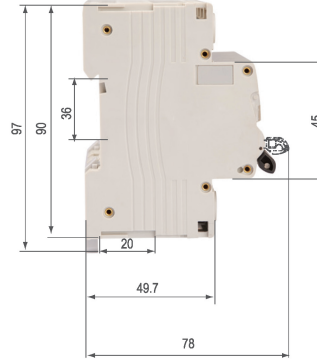
Construction and Feature

- ◆ 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

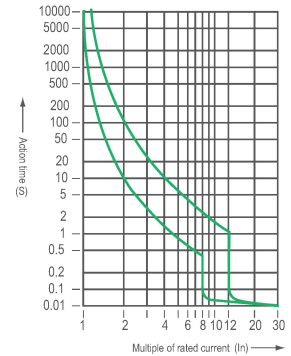
Technical Data

- ◆ 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: $I_n \leq 100 = 10000$; $I_n 125 = 8000$
- ◆ Connection terminal: Pillar terminal with clamp
- ◆ Connection capacity: Flexible conductor 35mm² Rigid conductor 50mm²
- ◆ Installation: On symmetrical DIN rail 35mm; Panel mounting
- ◆ Terminal Connection Height: 20mm

Overall & Installation Dimensions



Characteristic Curve



Power Consumption

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

Overload Current Protection Characteristics

Test	Tripping Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result
a	B, C	1.05I _n	1.05I _n	t ≤ 1h (I _n ≤ 63A) t ≤ 2h (I _n < 63A)	no tripping
b	B, C	1.30I _n	1.3I _n	t < 1h (I _n ≤ 63A) t < 2h (I _n < 63A)	tripping
c	B, C	2I _n	2I _n	10s < t < 60s (I _n ≤ 63A) 20s < t < 120s (I _n < 63A)	tripping
d	B	8I _n	4I _n	t ≤ 0.2s	no tripping
e	B	12I _n	6I _n	t < 0.2s	tripping