

## EPB125H Series Miniature Circuit Breaker

### Technical data

Standard	EN / IEC60898-1 / EN / IEC60947-2	
Breaking capacity	6kA, 10kA	
Protection	Against overload and short circuit	
Rated current $I_n$	32, 40, 50, 63, 80, 100, 125A	
Rated voltage	1pole 230/400V AC 50/60Hz	
	2,3,4pole 400V AC 50/60Hz	
Characteristic	IEC60898-1	IEC60947-2
	Thermal operating limit: (1.13-1.45) $I_n$ (1.05-1.30) $I_n$	
	Magnetic operating: B: (3-5) $I_n$ (8-12) $I_n$	
	C: (5-10) $I_n$ D: (10-20) $I_n$	
Number of poles	1P, 2P, 3P, 4P	
Type of trip	Thermal / magnetic release	
Type of terminal	Pin type	
Terminal capacity	Flexible cables: 1.5 to 35mm <sup>2</sup>	
	Rigid cables: 1 to 50mm <sup>2</sup>	
Installation	Mounting on 35mm DIN rail	
Width	27mm per pole	



## EPB125H MCB

Rated current (A)	IEC60898-1			IEC60947-2	Packing unit
	B curve	C curve	D curve		
32	EPB125H/1-B32	EPB125H/1-C32	EPB125H/1-D32	EPB125H/1-32	12
40	EPB125H/1-B40	EPB125H/1-C40	EPB125H/1-D40	EPB125H/1-40	12
50	EPB125H/1-B50	EPB125H/1-C50	EPB125H/1-D50	EPB125H/1-50	12
63	EPB125H/1-B63	EPB125H/1-C63	EPB125H/1-D63	EPB125H/1-63	12
80	EPB125H/1-B80	EPB125H/1-C80	EPB125H/1-D80	EPB125H/1-80	12
100	EPB125H/1-B100	EPB125H/1-C100	EPB125H/1-D100	EPB125H/1-100	12
125	EPB125H/1-B125	EPB125H/1-C125	EPB125H/1-D125	EPB125H/1-125	12
32	EPB125H/2-B32	EPB125H/2-C32	EPB125H/2-D32	EPB125H/2-32	6
40	EPB125H/2-B40	EPB125H/2-C40	EPB125H/2-D40	EPB125H/2-40	6
50	EPB125H/2-B50	EPB125H/2-C50	EPB125H/2-D50	EPB125H/2-50	6
63	EPB125H/2-B63	EPB125H/2-C63	EPB125H/2-D63	EPB125H/2-63	6
80	EPB125H/2-B80	EPB125H/2-C80	EPB125H/2-D80	EPB125H/2-80	6
100	EPB125H/2-B100	EPB125H/2-C100	EPB125H/2-D100	EPB125H/2-100	6
125	EPB125H/2-B125	EPB125H/2-C125	EPB125H/2-D125	EPB125H/2-125	6
32	EPB125H/3-B32	EPB125H/3-C32	EPB125H/3-D32	EPB125H/3-32	4
40	EPB125H/3-B40	EPB125H/3-C40	EPB125H/3-D40	EPB125H/3-40	4
50	EPB125H/3-B50	EPB125H/3-C50	EPB125H/3-D50	EPB125H/3-50	4
63	EPB125H/3-B63	EPB125H/3-C63	EPB125H/3-D63	EPB125H/3-63	4
80	EPB125H/3-B80	EPB125H/3-C80	EPB125H/3-D80	EPB125H/3-80	4
100	EPB125H/3-B100	EPB125H/3-C100	EPB125H/3-D100	EPB125H/3-100	4
125	EPB125H/3-B125	EPB125H/3-C125	EPB125H/3-D125	EPB125H/3-125	4
32	EPB125H/4-B32	EPB125H/4-C32	EPB125H/4-D32	EPB125H/4-32	3
40	EPB125H/4-B40	EPB125H/4-C40	EPB125H/4-D40	EPB125H/4-40	3
50	EPB125H/4-B50	EPB125H/4-C50	EPB125H/4-D50	EPB125H/4-50	3
63	EPB125H/4-B63	EPB125H/4-C63	EPB125H/4-D63	EPB125H/4-63	3
80	EPB125H/4-B80	EPB125H/4-C80	EPB125H/4-D80	EPB125H/4-80	3
100	EPB125H/4-B100	EPB125H/4-C100	EPB125H/4-D100	EPB125H/4-100	3
125	EPB125H/4-B125	EPB125H/4-C125	EPB125H/4-D125	EPB125H/4-125	3



1P



2P

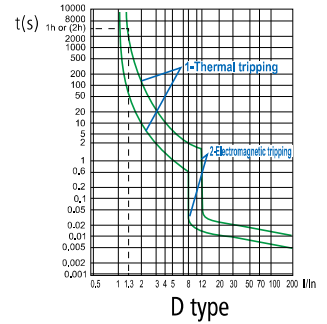
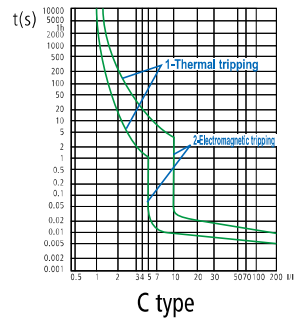
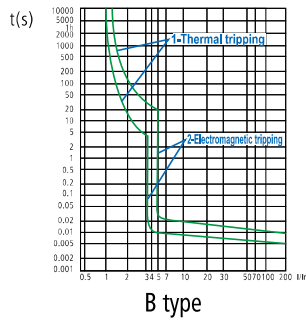
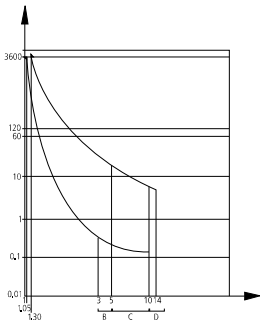


3P



4P

## 1. Curves



## 2. Breaking capacity

Type	Voltage	Breaking capacity Icn(A)	Standard
1P	130	20000	IEC60947-2
	230	10000	
	400	3000	
2P,3P,4P	230	20000	
	400	10000	
	440	6000	

## 3. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current I <sub>n</sub> (A)	Nominal cross section area (mm <sup>2</sup> )	Tightening torque (N.m)
63	16	3.5
80	25	3.5
100	35	3.5
125	50	3.5

## 4. Features

1. High rated short-circuit breaking capacity up to 10000A on IEC60947-2 / IEC60898-1 standard.
2. Service life of product has been greatly enhanced through special designed tripping mechanism.
3. Long-time and reliable operation.
4. Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties.
5. Compact and modularized design.
6. Convenient mounting.
7. A wide range of RCD and RCBO.
8. Full sets of additional components and full sets of accessories.

## 5. Overall and mounting dimensions

