

EPB-63M-DC Series

Miniature Circuit Breaker

Technical data

Standard	EN / IEC60947-2
Breaking capacity	6kA
Protection	Against overload and short circuit
Rated current I_n	0.5, 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A
Rated voltage	DC: Rated voltage U_e (VDC): 1P 250 3P 750 2P 500 4P 1000 Operational volatge(VDC): Min.: 12 Max : 1P 250 2P 500
Ambient temperature(°C)	-5 to +40
Characteristic	Thermal operating limit: $(1.05-1.30) \times I_n$ Magnetic operating: $(8-12) \times I_n$
Number of poles	1P, 2P, 3P and 4P
Type of trip	Thermal / magnetic release
Type of terminal	Lug type and Pin type
Terminal capacity	16mm ² flexible or 25mm ² rigid up to 25A ratings 25mm ² flexible or 35mm ² rigid from 32A to 63A ratings
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole



EPB-63M-DC-1P



EPB-63M-DC-2P



EPB-63M-DC-3P



EPB-63M-DC-4P

EPB-63M-DC MCB



EPB-63M-DC-1P



EPB-63M-DC-2P

Rated current (A)	DC type	Packing unit
0.5	EPB-63M/1-DC0.5	12
1	EPB-63M/1-DC1	12
2	EPB-63M/1-DC2	12
3	EPB-63M/1-DC3	12
4	EPB-63M/1-DC4	12
6	EPB-63M/1-DC6	12
10	EPB-63M/1-DC10	12
13	EPB-63M/1-DC13	12
16	EPB-63M/1-DC16	12
20	EPB-63M/1-DC20	12
25	EPB-63M/1-DC25	12
32	EPB-63M/1-DC32	12
40	EPB-63M/1-DC40	12
50	EPB-63M/1-DC50	12
63	EPB-63M/1-DC63	12
0.5	EPB-63M/2-DC0.5	6
1	EPB-63M/2-DC1	6
2	EPB-63M/2-DC2	6
3	EPB-63M/2-DC3	6
4	EPB-63M/2-DC4	6
6	EPB-63M/2-DC6	6
10	EPB-63M/2-DC10	6
13	EPB-63M/2-DC13	6
16	EPB-63M/2-DC16	6
20	EPB-63M/2-DC20	6
25	EPB-63M/2-DC25	6
32	EPB-63M/2-DC32	6
40	EPB-63M/2-DC40	6
50	EPB-63M/2-DC50	6
63	EPB-63M/2-DC63	6

EPB-63M-DC MCB



EPB-63M-DC-3P



EPB-63M-DC-4P

Rated current (A)	DC type	Packing unit
0.5	EPB-63M/3-DC0.5	4
1	EPB-63M/3-DC1	4
2	EPB-63M/3-DC2	4
3	EPB-63M/3-DC3	4
4	EPB-63M/3-DC4	4
6	EPB-63M/3-DC6	4
10	EPB-63M/3-DC10	4
13	EPB-63M/3-DC13	4
16	EPB-63M/3-DC16	4
20	EPB-63M/3-DC20	4
25	EPB-63M/3-DC25	4
32	EPB-63M/3-DC32	4
40	EPB-63M/3-DC40	4
50	EPB-63M/3-DC50	4
63	EPB-63M/3-DC63	4
0.5	EPB-63M/4-DC0.5	3
1	EPB-63M/4-DC1	3
2	EPB-63M/4-DC2	3
3	EPB-63M/4-DC3	3
4	EPB-63M/4-DC4	3
6	EPB-63M/4-DC6	3
10	EPB-63M/4-DC10	3
13	EPB-63M/4-DC13	3
16	EPB-63M/4-DC16	3
20	EPB-63M/4-DC20	3
25	EPB-63M/4-DC25	3
32	EPB-63M/4-DC32	3
40	EPB-63M/4-DC40	3
50	EPB-63M/4-DC50	3
63	EPB-63M/4-DC63	3

1. Overcurrent protecting characteristics

No	Rated current of release(A)	Initial state	Test current	Specified time	Result to be obtained	Remarks
1	1~63	cold state	1.05I _n	t ≤ 1h	Non-trip	
2	1~63	upon the previous test	1.30I _n	t < 1h	trip	Setting current up to specified value steadily in 5S
3	I _n ≤ 32	cold state	2.55I _n	1s < t < 60s	trip	
	I _n > 32	cold state	2.55I _n	1s < t < 120s	trip	
4	1~63	cold state	8 I _n	t ≤ 0.1s	Non-trip	C type
	1~63	cold state	12 I _n	t < 1.1s	trip	C type

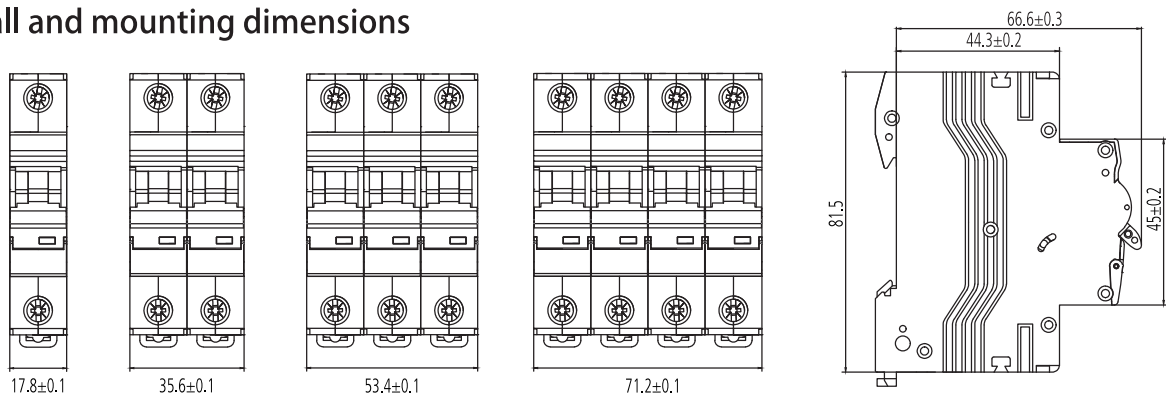
2. Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	4000	240/h	0.5~32
		120/h	40~63
Mechanical endurance	10000	240/h	0.5~63

3. Features

Much higher short circuit breaking capacity, Dual-connection convenient for both standard busbar and conductor connection. Improved safety of operators offered by special design from terminals. Much longer service life thanks to energy-storage operating mechanism. Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties. Higher current-limiting capacity ensuring a cost-effective range of products. Different handle color for different rated current with contactor condition indicator.

4. Overall and mounting dimensions



EPB-63M-DC