

EPB-63Me/Ne/Se Series Miniature Circuit Breaker

Technical data

Standard	EN/IEC60898-1
Breaking capacity	3kA,4.5kA,6kA
Protection	Against overload and short circuit
Rated current In	1,2,3,4,6, 10, 13, 16,20,25,32,40,50,63A
Rated voltage	AC: 1 Pole 240V; 2,3,4 Pole 400V Rated insulation voltage Ui: 500V Rated impulse withstand voltage Uimp: 4kV Energy limiting :class 3 for 6kA,class 1 for 4.5kA/3kA
Ambient temperature (°C)	-5~+40
Characteristic	Thermal operating limit: (1.13-1.45) x In Magnetic operating: C: (5-10) x In
Number of poles	1P, 1P+N,2P,3P,3P+N 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
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole



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Rated current(A)	C curve			Packing unit
	6kA	4.5kA	3kA	
1	EPB-63Me/1-C1	EPB-63Ne/1-C1	EPB-63Se/1-C1	12
2	EPB-63Me/1-C2	EPB-63Ne/1-C2	EPB-63Se/1-C2	12
3	EPB-63Me/1-C3	EPB-63Ne/1-C3	EPB-63Se/1-C3	12
4	EPB-63Me/1-C4	EPB-63Ne/1-C4	EPB-63Se/1-C4	12
6	EPB-63Me/1-C6	EPB-63Ne/1-C6	EPB-63Se/1-C6	12
10	EPB-63Me/1-C10	EPB-63Ne/1-C10	EPB-63Se/1-C10	12
13	EPB-63Me/1-C13	EPB-63Ne/1-C13	EPB-63Se/1-C13	12
16	EPB-63Me/1-C16	EPB-63Ne/1-C16	EPB-63Se/1-C16	12
20	EPB-63Me/1-C20	EPB-63Ne/1-C20	EPB-63Se/1-C20	12
25	EPB-63Me/1-C25	EPB-63Ne/1-C25	EPB-63Se/1-C25	12
32	EPB-63Me/1-C32	EPB-63Ne/1-C32	EPB-63Se/1-C32	12
40	EPB-63Me/1-C40	EPB-63Ne/1-C40	EPB-63Se/1-C40	12
50	EPB-63Me/1-C50	EPB-63Ne/1-C50	EPB-63Se/1-C50	12
63	EPB-63Me/1-C63	EPB-63Ne/1-C63	EPB-63Se/1-C63	12
1	EPB-63Me/1-C1N	EPB-63Ne/1-C1N	EPB-63Se/1-C1N	6
2	EPB-63Me/1-C2N	EPB-63Ne/1-C2N	EPB-63Se/1-C2N	6
3	EPB-63Me/1-C3N	EPB-63Ne/1-C3N	EPB-63Se/1-C3N	6
4	EPB-63Me/1-C4N	EPB-63Ne/1-C4N	EPB-63Se/1-C4N	6
6	EPB-63Me/1-C6N	EPB-63Ne/1-C6N	EPB-63Se/1-C6N	6
10	EPB-63Me/1-C10N	EPB-63Ne/1-C10N	EPB-63Se/1-C10N	6
13	EPB-63Me/1-C13N	EPB-63Ne/1-C13N	EPB-63Se/1-C13N	6
16	EPB-63Me/1-C16N	EPB-63Ne/1-C16N	EPB-63Se/1-C16N	6
20	EPB-63Me/1-C20N	EPB-63Ne/1-C20N	EPB-63Se/1-C20N	6
25	EPB-63Me/1-C25N	EPB-63Ne/1-C25N	EPB-63Se/1-C25N	6
32	EPB-63Me/1-C32N	EPB-63Ne/1-C32N	EPB-63Se/1-C32N	6
40	EPB-63Me/1-C40N	EPB-63Ne/1-C40N	EPB-63Se/1-C40N	6
50	EPB-63Me/1-C50N	EPB-63Ne/1-C50N	EPB-63Se/1-C50N	6
63	EPB-63Me/1-C63N	EPB-63Ne/1-C63N	EPB-63Se/1-C63N	6
1	EPB-63Me/2-C1	EPB-63Ne/2-C1	EPB-63Se/2-C1	6
2	EPB-63Me/2-C2	EPB-63Ne/2-C2	EPB-63Se/2-C2	6
3	EPB-63Me/2-C3	EPB-63Ne/2-C3	EPB-63Se/2-C3	6
4	EPB-63Me/2-C4	EPB-63Ne/2-C4	EPB-63Se/2-C4	6
6	EPB-63Me/2-C6	EPB-63Ne/2-C6	EPB-63Se/2-C6	6
10	EPB-63Me/2-C10	EPB-63Ne/2-C10	EPB-63Se/2-C10	6
13	EPB-63Me/2-C13	EPB-63Ne/2-C13	EPB-63Se/2-C13	6
16	EPB-63Me/2-C16	EPB-63Ne/2-C16	EPB-63Se/2-C16	6
20	EPB-63Me/2-C20	EPB-63Ne/2-C20	EPB-63Se/2-C20	6
25	EPB-63Me/2-C25	EPB-63Ne/2-C25	EPB-63Se/2-C25	6
32	EPB-63Me/2-C32	EPB-63Ne/2-C32	EPB-63Se/2-C32	6
40	EPB-63Me/2-C40	EPB-63Ne/2-C40	EPB-63Se/2-C40	6
50	EPB-63Me/2-C50	EPB-63Ne/2-C50	EPB-63Se/2-C50	6
63	EPB-63Me/2-C63	EPB-63Ne/2-C63	EPB-63Se/2-C63	6



EPB-63Me-1P



EPB-63Me-1P+N



EPB-63Me-2P

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EPB-63Me-3P



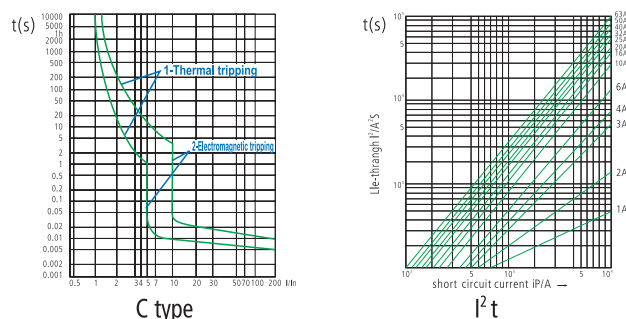
EPB-63Me-3P+N



EPB-63Me-4P

Rated current(A)	C curve			Packing unit
	6kA	4.5kA	3kA	
1	EPB-63Me/3-C1	EPB-63Ne/3-C1	EPB-63Se/3-C1	4
2	EPB-63Me/3-C2	EPB-63Ne/3-C2	EPB-63Se/3-C2	4
3	EPB-63Me/3-C3	EPB-63Ne/3-C3	EPB-63Se/3-C3	4
4	EPB-63Me/3-C4	EPB-63Ne/3-C4	EPB-63Se/3-C4	4
6	EPB-63Me/3-C6	EPB-63Ne/3-C6	EPB-63Se/3-C6	4
10	EPB-63Me/3-C10	EPB-63Ne/3-C10	EPB-63Se/3-C10	4
13	EPB-63Me/3-C13	EPB-63Ne/3-C13	EPB-63Se/3-C13	4
16	EPB-63Me/3-C16	EPB-63Ne/3-C16	EPB-63Se/3-C16	4
20	EPB-63Me/3-C20	EPB-63Ne/3-C20	EPB-63Se/3-C20	4
25	EPB-63Me/3-C25	EPB-63Ne/3-C25	EPB-63Se/3-C25	4
32	EPB-63Me/3-C32	EPB-63Ne/3-C32	EPB-63Se/3-C32	4
40	EPB-63Me/3-C40	EPB-63Ne/3-C40	EPB-63Se/3-C40	4
50	EPB-63Me/3-C50	EPB-63Ne/3-C50	EPB-63Se/3-C50	4
63	EPB-63Me/3-C63	EPB-63Ne/3-C63	EPB-63Se/3-C63	4
1	EPB-63Me/3-C1N	EPB-63Ne/3-C1N	EPB-63Se/3-C1N	3
2	EPB-63Me/3-C2N	EPB-63Ne/3-C2N	EPB-63Se/3-C2N	3
3	EPB-63Me/3-C3N	EPB-63Ne/3-C3N	EPB-63Se/3-C3N	3
4	EPB-63Me/3-C4N	EPB-63Ne/3-C4N	EPB-63Se/3-C4N	3
6	EPB-63Me/3-C6N	EPB-63Ne/3-C6N	EPB-63Se/3-C6N	3
10	EPB-63Me/3-C10N	EPB-63Ne/3-C10N	EPB-63Se/3-C10N	3
13	EPB-63Me/3-C13N	EPB-63Ne/3-C13N	EPB-63Se/3-C13N	3
16	EPB-63Me/3-C16N	EPB-63Ne/3-C16N	EPB-63Se/3-C16N	3
20	EPB-63Me/3-C20N	EPB-63Ne/3-C20N	EPB-63Se/3-C20N	3
25	EPB-63Me/3-C25N	EPB-63Ne/3-C25N	EPB-63Se/3-C25N	3
32	EPB-63Me/3-C32N	EPB-63Ne/3-C32N	EPB-63Se/3-C32N	3
40	EPB-63Me/3-C40N	EPB-63Ne/3-C40N	EPB-63Se/3-C40N	3
50	EPB-63Me/3-C50N	EPB-63Ne/3-C50N	EPB-63Se/3-C50N	3
63	EPB-63Me/3-C63N	EPB-63Ne/3-C63N	EPB-63Se/3-C63N	3
1	EPB-63Me/4-C1	EPB-63Ne/4-C1	EPB-63Se/4-C1	3
2	EPB-63Me/4-C2	EPB-63Ne/4-C2	EPB-63Se/4-C2	3
3	EPB-63Me/4-C3	EPB-63Ne/4-C3	EPB-63Se/4-C3	3
4	EPB-63Me/4-C4	EPB-63Ne/4-C4	EPB-63Se/4-C4	3
6	EPB-63Me/4-C6	EPB-63Ne/4-C6	EPB-63Se/4-C6	3
10	EPB-63Me/4-C10	EPB-63Ne/4-C10	EPB-63Se/4-C10	3
13	EPB-63Me/4-C13	EPB-63Ne/4-C13	EPB-63Se/4-C13	3
16	EPB-63Me/4-C16	EPB-63Ne/4-C16	EPB-63Se/4-C16	3
20	EPB-63Me/4-C20	EPB-63Ne/4-C20	EPB-63Se/4-C20	3
25	EPB-63Me/4-C25	EPB-63Ne/4-C25	EPB-63Se/4-C25	3
32	EPB-63Me/4-C32	EPB-63Ne/4-C32	EPB-63Se/4-C32	3
40	EPB-63Me/4-C40	EPB-63Ne/4-C40	EPB-63Se/4-C40	3
50	EPB-63Me/4-C50	EPB-63Ne/4-C50	EPB-63Se/4-C50	3
63	EPB-63Me/4-C63	EPB-63Ne/4-C63	EPB-63Se/4-C63	3

1. Curves



2. 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	1.13I _n	t ≤ 1 h	Non-trip	
2	1-63	upon the previous test	1.45I _n	t < 1 h	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	5I _n	t ≤ 0.1s	Non-trip	C type
	1-63	cold state	10I _n	t < 1.1s	trip	C type

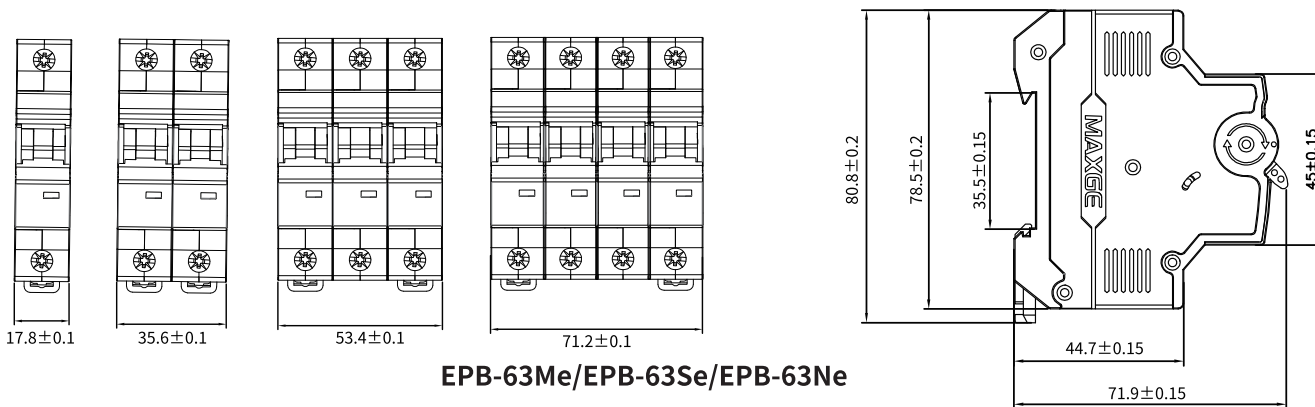
3. Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	8000	240/h	0.5-32
		120/h	40-63
Mechanical endurance	20000	240/h	0.5-63

4.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.

5. Overall and mounting dimensions



EPB-63Me/EPB-63Se/EPB-63Ne