

IEB-63M/H Series

Miniature Circuit Breaker

Standard	EN/IEC 60898-1 GB/T 10963.1
Breaking capacity(kA)	6,10
Protection	Against overload and short circuit
Rated current(A) In	1,2,3,4,6,10,13,16,20,25,32,40,50,63
Rated voltage(V)	1P,2P AC 230
	3P,4P AC 400
Rated impulse withstand voltage Uimp(kV)	4
Rated insulation voltage Ui(V)	500
Energy limiting class	3
Ambient temperature (°C)	-25~+40,Max.95%humidity
Thermal operating limit	1.13 xIn No tripping within an hour
	1.45 xIn Tripping within an hour
Magnertic operating	B:(3-5)xIn,C:(5-10)xIn,D:(10-20)xIn
Number of poles	1P,2P,3P and 4P
Type of trip	Thermal/ magnetic release
Terminal capacity	16mm ² flexible or 25mm ² rigid
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole



IEB-63H-1P



IEB-63H-2P





IEB-63H-3P



IEB-63H-4P



IEB-63M Series

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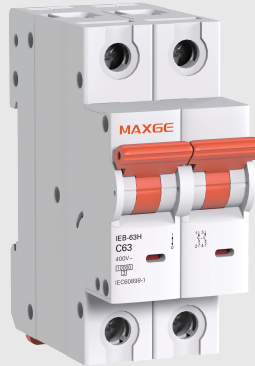
	Rated current(A)	B curve	C curve	D curve	Packing unit
 <p>IEB-63M-1P</p>	1	IEB-63M/1-B1	IEB-63M/1-C1	IEB-63M/1-D1	12
	2	IEB-63M/1-B2	IEB-63M/1-C2	IEB-63M/1-D2	
	3	IEB-63M/1-B3	IEB-63M/1-C3	IEB-63M/1-D3	
	4	IEB-63M/1-B4	IEB-63M/1-C4	IEB-63M/1-D4	
	6	IEB-63M/1-B6	IEB-63M/1-C6	IEB-63M/1-D6	
	10	IEB-63M/1-B10	IEB-63M/1-C10	IEB-63M/1-D10	
	13	IEB-63M/1-B13	IEB-63M/1-C13	IEB-63M/1-D13	
	16	IEB-63M/1-B16	IEB-63M/1-C16	IEB-63M/1-D16	
	20	IEB-63M/1-B20	IEB-63M/1-C20	IEB-63M/1-D20	
	25	IEB-63M/1-B25	IEB-63M/1-C25	IEB-63M/1-D25	
	32	IEB-63M/1-B32	IEB-63M/1-C32	IEB-63M/1-D32	
	40	IEB-63M/1-B40	IEB-63M/1-C40	IEB-63M/1-D40	
	50	IEB-63M/1-B50	IEB-63M/1-C50	IEB-63M/1-D50	6
63	IEB-63M/1-B63	IEB-63M/1-C63	IEB-63M/1-D63		
 <p>IEB-63M-2P</p>	1	IEB-63M/2-B1	IEB-63M/2-C1	IEB-63M/2-D1	
	2	IEB-63M/2-B2	IEB-63M/2-C2	IEB-63M/2-D2	
	3	IEB-63M/2-B3	IEB-63M/2-C3	IEB-63M/2-D3	
	4	IEB-63M/2-B4	IEB-63M/2-C4	IEB-63M/2-D4	
	6	IEB-63M/2-B6	IEB-63M/2-C6	IEB-63M/2-D6	
	10	IEB-63M/2-B10	IEB-63M/2-C10	IEB-63M/2-D10	
	13	IEB-63M/2-B13	IEB-63M/2-C13	IEB-63M/2-D13	
	16	IEB-63M/2-B16	IEB-63M/2-C16	IEB-63M/2-D16	
	20	IEB-63M/2-B20	IEB-63M/2-C20	IEB-63M/2-D20	
	25	IEB-63M/2-B25	IEB-63M/2-C25	IEB-63M/2-D25	
	32	IEB-63M/2-B32	IEB-63M/2-C32	IEB-63M/2-D32	
	40	IEB-63M/2-B40	IEB-63M/2-C40	IEB-63M/2-D40	
	50	IEB-63M/2-B50	IEB-63M/2-C50	IEB-63M/2-D50	
	63	IEB-63M/2-B63	IEB-63M/2-C63	IEB-63M/2-D63	

IEB-63M Series

Miniature Circuit Breaker

	Rated current(A)	B curve	C curve	D curve	Packing unit
 <p>IEB-63M-3P</p>	1	IEB-63M/3-B1	IEB-63M/3-C1	IEB-63M/1-D1	4
	2	IEB-63M/3-B2	IEB-63M/3-C2	IEB-63M/1-D2	
	3	IEB-63M/3-B3	IEB-63M/3-C3	IEB-63M/1-D3	
	4	IEB-63M/3-B4	IEB-63M/3-C4	IEB-63M/1-D4	
	6	IEB-63M/3-B6	IEB-63M/3-C6	IEB-63M/1-D6	
	10	IEB-63M/3-B10	IEB-63M/3-C10	IEB-63M/1-D10	
	13	IEB-63M/3-B13	IEB-63M/3-C13	IEB-63M/1-D13	
	16	IEB-63M/3-B16	IEB-63M/3-C16	IEB-63M/1-D16	
	20	IEB-63M/3-B20	IEB-63M/3-C20	IEB-63M/1-D20	
	25	IEB-63M/3-B25	IEB-63M/3-C25	IEB-63M/1-D25	
	32	IEB-63M/3-B32	IEB-63M/3-C32	IEB-63M/1-D32	
	40	IEB-63M/3-B40	IEB-63M/3-C40	IEB-63M/1-D40	
	 <p>IEB-63M-4P</p>	63	IEB-63M/3-B63	IEB-63M/3-C63	
1		IEB-63M/4-B1	IEB-63M/4-C1	IEB-63M/4-D1	
2		IEB-63M/4-B2	IEB-63M/4-C2	IEB-63M/4-D2	
3		IEB-63M/4-B3	IEB-63M/4-C3	IEB-63M/4-D3	
4		IEB-63M/4-B4	IEB-63M/4-C4	IEB-63M/4-D4	
6		IEB-63M/4-B6	IEB-63M/4-C6	IEB-63M/4-D6	
10		IEB-63M/4-B10	IEB-63M/4-C10	IEB-63M/4-D10	
13		IEB-63M/4-B13	IEB-63M/4-C13	IEB-63M/4-D13	
16		IEB-63M/4-B16	IEB-63M/4-C16	IEB-63M/4-D16	
20		IEB-63M/4-B20	IEB-63M/4-C20	IEB-63M/4-D20	
25		IEB-63M/4-B25	IEB-63M/4-C25	IEB-63M/4-D25	
32		IEB-63M/4-B32	IEB-63M/4-C32	IEB-63M/4-D32	
40		IEB-63M/4-B40	IEB-63M/4-C40	IEB-63M/4-D40	
50	IEB-63M/4-B50	IEB-63M/4-C50	IEB-63M/4-D50		
63	IEB-63M/4-B63	IEB-63M/4-C63	IEB-63M/4-D63		

IEB - 63H Series Miniature Circuit Breaker

	Rated current(A)	B curve	C curve	D curve	Packing unit
 <p style="text-align: center;">IEB-63H-1P</p>	1	IEB-63H/1-B1	IEB-63H/1-C1	IEB-63H/1-D1	12
	2	IEB-63H/1-B2	IEB-63H/1-C2	IEB-63H/1-D2	
	3	IEB-63H/1-B3	IEB-63H/1-C3	IEB-63H/1-D3	
	4	IEB-63H/1-B4	IEB-63H/1-C4	IEB-63H/1-D4	
	6	IEB-63H/1-B6	IEB-63H/1-C6	IEB-63H/1-D6	
	10	IEB-63H/1-B10	IEB-63H/1-C10	IEB-63H/1-D10	
	13	IEB-63H/1-B13	IEB-63H/1-C13	IEB-63H/1-D13	
	16	IEB-63H/1-B16	IEB-63H/1-C16	IEB-63H/1-D16	
	20	IEB-63H/1-B20	IEB-63H/1-C20	IEB-63H/1-D20	
	25	IEB-63H/1-B25	IEB-63H/1-C25	IEB-63H/1-D25	
	32	IEB-63H/1-B32	IEB-63H/1-C32	IEB-63H/1-D32	
	40	IEB-63H/1-B40	IEB-63H/1-C40	IEB-63H/1-D40	
	50	IEB-63H/1-B50	IEB-63H/1-C50	IEB-63H/1-D50	
	63	IEB-63H/1-B63	IEB-63H/1-C63	IEB-63H/1-D63	6
 <p style="text-align: center;">IEB-63H-2P</p>	1	IEB-63H/2-B1	IEB-63H/2-C1	IEB-63H/2-D1	6
	2	IEB-63H/2-B2	IEB-63H/2-C2	IEB-63H/2-D2	
	3	IEB-63H/2-B3	IEB-63H/2-C3	IEB-63H/2-D3	
	4	IEB-63H/2-B4	IEB-63H/2-C4	IEB-63H/2-D4	
	6	IEB-63H/2-B6	IEB-63H/2-C6	IEB-63H/2-D6	
	10	IEB-63H/2-B10	IEB-63H/2-C10	IEB-63H/2-D10	
	13	IEB-63H/2-B13	IEB-63H/2-C13	IEB-63H/2-D13	
	16	IEB-63H/2-B16	IEB-63H/2-C16	IEB-63H/2-D16	
	20	IEB-63H/2-B20	IEB-63H/2-C20	IEB-63H/2-D20	
	25	IEB-63H/2-B25	IEB-63H/2-C25	IEB-63H/2-D25	
	32	IEB-63H/2-B32	IEB-63H/2-C32	IEB-63H/2-D32	
	40	IEB-63H/2-B40	IEB-63H/2-C40	IEB-63H/2-D40	
	50	IEB-63H/2-B50	IEB-63H/2-C50	IEB-63H/2-D50	
	63	IEB-63H/2-B63	IEB-63H/2-C63	IEB-63H/2-D63	

IEB-63H Series

Miniature Circuit Breaker





IEB-63H-3P

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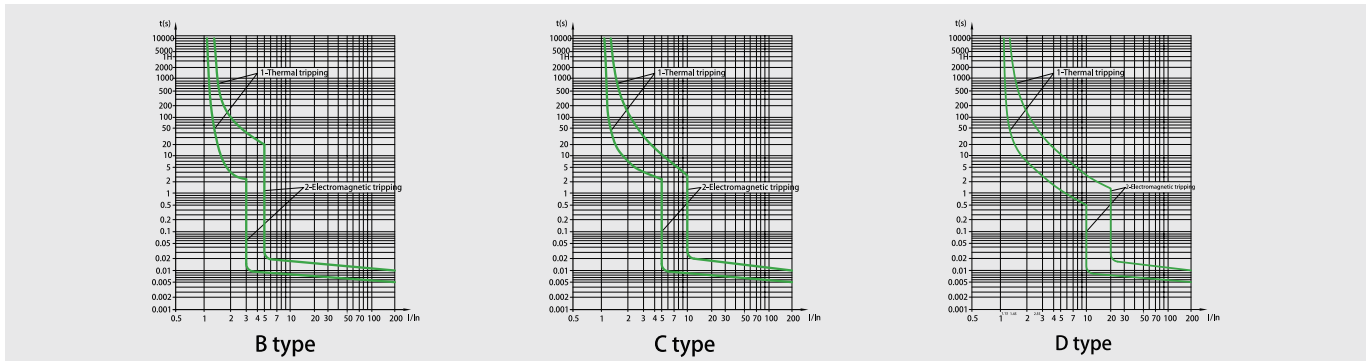
IEB-63H-4P

	Rated current(A)	B curve	C curve	D curve	Packing unit
 <p>IEB-63H-3P</p>	1	IEB-63H/3-B1	IEB-63H/3-C1	IEB-63H/1-D1	4
	2	IEB-63H/3-B2	IEB-63H/3-C2	IEB-63H/1-D2	
	3	IEB-63H/3-B3	IEB-63H/3-C3	IEB-63H/1-D3	
	4	IEB-63H/3-B4	IEB-63H/3-C4	IEB-63H/1-D4	
	6	IEB-63H/3-B6	IEB-63H/3-C6	IEB-63H/1-D6	
	10	IEB-63H/3-B10	IEB-63H/3-C10	IEB-63H/1-D10	
	13	IEB-63H/3-B13	IEB-63H/3-C13	IEB-63H/1-D13	
	16	IEB-63H/3-B16	IEB-63H/3-C16	IEB-63H/1-D16	
	20	IEB-63H/3-B20	IEB-63H/3-C20	IEB-63H/1-D20	
	25	IEB-63H/3-B25	IEB-63H/3-C25	IEB-63H/1-D25	
	32	IEB-63H/3-B32	IEB-63H/3-C32	IEB-63H/1-D32	
	40	IEB-63H/3-B40	IEB-63H/3-C40	IEB-63H/1-D40	
 <p>IEB-63H-4P</p>	50	IEB-63H/3-B50	IEB-63H/3-C50	IEB-63H/1-D50	3
	63	IEB-63H/3-B63	IEB-63H/3-C63	IEB-63H/1-D63	
	1	IEB-63H/4-B1	IEB-63H/4-C1	IEB-63H/4-D1	
	2	IEB-63H/4-B2	IEB-63H/4-C2	IEB-63H/4-D2	
	3	IEB-63H/4-B3	IEB-63H/4-C3	IEB-63H/4-D3	
	4	IEB-63H/4-B4	IEB-63H/4-C4	IEB-63H/4-D4	
	6	IEB-63H/4-B6	IEB-63H/4-C6	IEB-63H/4-D6	
	10	IEB-63H/4-B10	IEB-63H/4-C10	IEB-63H/4-D10	
	13	IEB-63H/4-B13	IEB-63H/4-C13	IEB-63H/4-D13	
	16	IEB-63H/4-B16	IEB-63H/4-C16	IEB-63H/4-D16	
	20	IEB-63H/4-B20	IEB-63H/4-C20	IEB-63H/4-D20	
	25	IEB-63H/4-B25	IEB-63H/4-C25	IEB-63H/4-D25	
32	IEB-63H/4-B32	IEB-63H/4-C32	IEB-63H/4-D32		
40	IEB-63H/4-B40	IEB-63H/4-C40	IEB-63H/4-D40		
50	IEB-63H/4-B50	IEB-63H/4-C50	IEB-63H/4-D50		
63	IEB-63H/4-B63	IEB-63H/4-C63	IEB-63H/4-D63		

IEB - 63M/H Series

Miniature Circuit Breaker

Curves



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 ≤ 1h	Non-trip	
2	1-63	upon the previous test	1.45I _n	t < 1h	trip	Setting current up to specified value steadily in 5s
3	I _n ≤ 32 I _n > 32	cold state	2.55I _n	1s < t < 60s 1s < t < 120s	trip	
4	1-63	cold state	3I _n 5I _n 5I _n 10I _n 10I _n 20I _n	t ≤ 0.1s t < 0.1s t ≤ 0.1s t < 0.1s t ≤ 0.1s t < 0.1s	Non-trip trip trip Non-trip trip Non-trip trip	B type B type C type C type D type D type

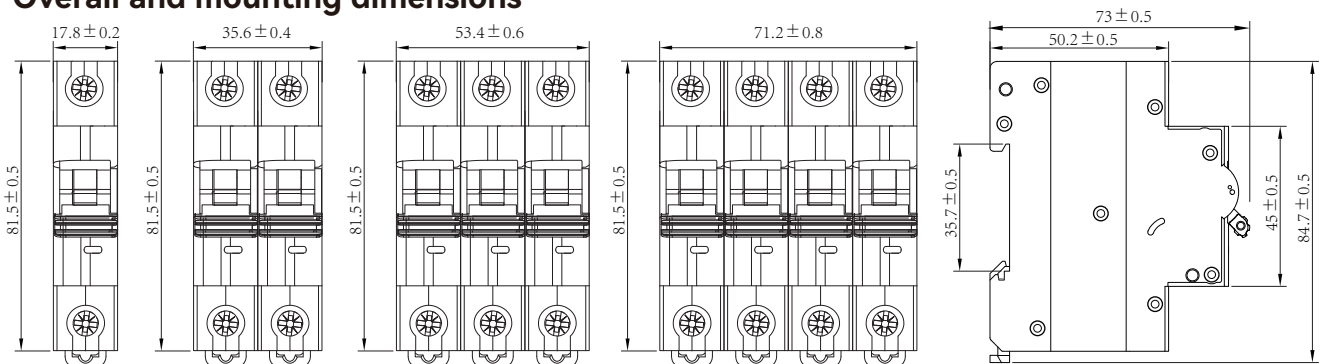
Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	4000	240/h	1-32
		120/h	40-63
Mechanical endurance	10000	240/h	1-63

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.

Overall and mounting dimensions



IEB-63M/IEB-63H

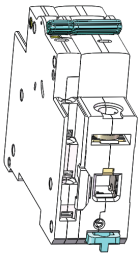
IEB - 63M/H Series

Miniature Circuit Breaker

Core Advantages

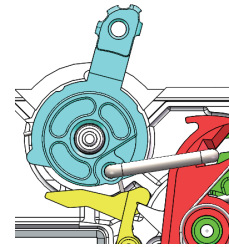
Fast Clip Design

Improve installation efficiency and adapt to mass production



Energy Storage

Adoption of fast closing mechanism to enhance contact life



Overload Protection

Adoption of thermal bimetal mechanical structure, stable and reliable



Short-circuit Protection

Short-circuit breaking capacity is 6000A
Current limitation level 3

Performance Optimization

1. Increase riveting hole design

- reinforced shell construction.

2. Increased flywire spring design

- for automated assembly

3. Increase energy storage mechanism design

- fast closing, extend contact life, improve breaking performance.

4. Tesla valve" design

- prevents airflow backflow.

5. Full torque boost

- ultimate torque 4N·m

6. Electromagnetic system

- the use of three sides surrounded by the yoke design to increase the electromagnetic force output by 30%, to improve the operating speed of the mechanism