

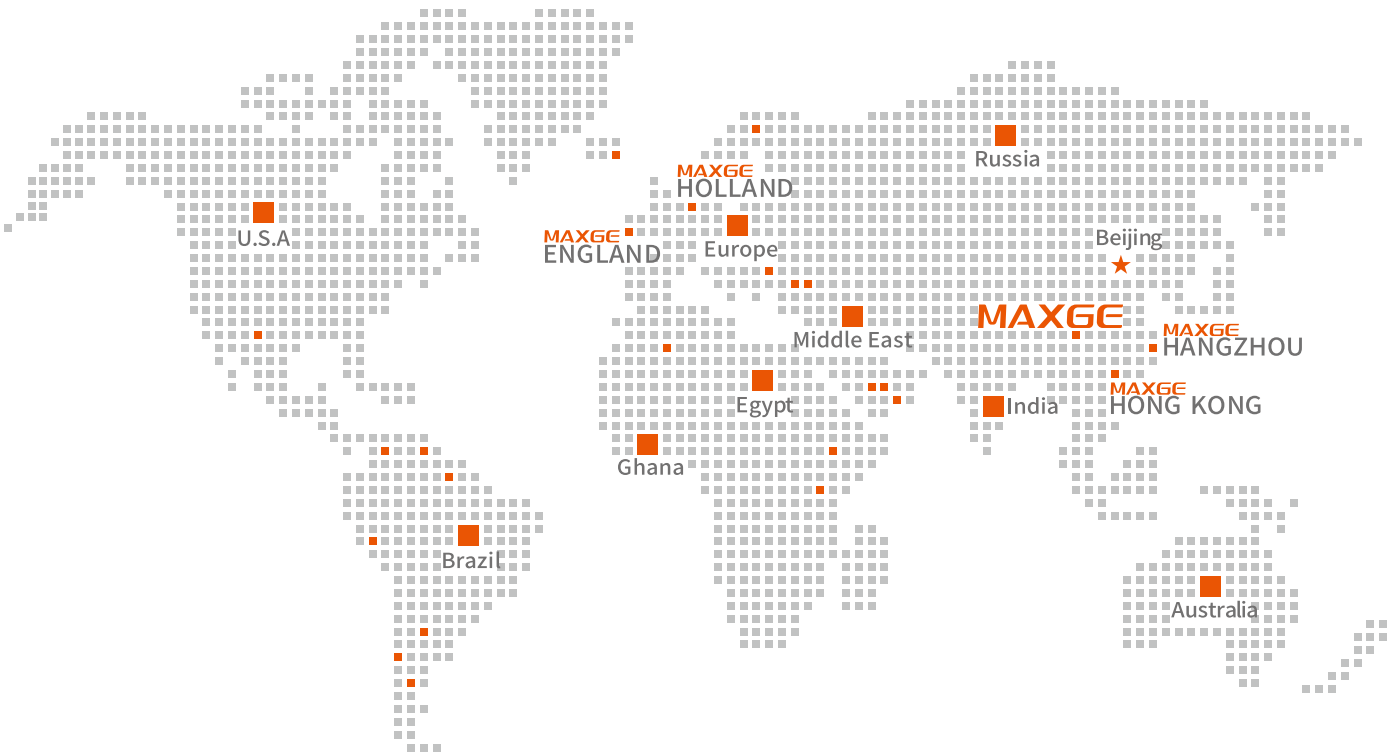
Committed to becoming a world-class
intelligent electric brand



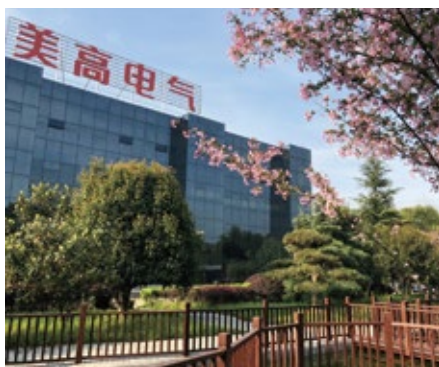
ALPHA⁺
DIN rail
Modular
Devices

ISO9001 ISO14001 OHSAS18001





Intelligence beyond vision



ABOUT US

MAXGE Electric is one of the most specialized manufacturers and exporters for modular electric terminal devices for household and similar installations in China. The wide range products under manufacturing covers Miniature Circuit Breaker(MCB),Residual Current Circuit Breaker(RCCB),Residual Current Circuit Breakers With Overcurrent Protection (RCBO),Switch-disconnector,Distribution Box, Moulded Case Circuit Breaker(MCCB), Air Circuit Breaker(ACB),AC Contactor,Magnetic Starter,Motor Protection Circuit Breaker,Thermal Relay and K.W.H meter etc. The company takes the reputation as one of the largest manufacturers of electro-magnetic type RCCB and RCBO.OEM or ODM projects are fully accepted, currently the company is co-operating with a number of renowned international corporations for such projects.





MAXGE Electric possesses full line of high-tech production equipment and great strength of technology support besides advanced designation forces powered by the first class engineering teams with super industrial computer systems. Thus, our products are novel in design, excellent in workmanship and top reliable in quality.



R&D CENTER AUTOMATIC PRODUCTION LINE



Experience in manufacturing under customer's design, trade, building project, OEM and competitive cooperation related to the new products & technology. Won approvals of CE, SEMKO, KEMA, VDE, FI, CCC, ASTA, INMETRO and ISO9001 Quality System Certificate etc. Products are popular around the world, such as Europe, America, Southeast Asia, Middle East, Africa, etc.

THE BRAND CULTURE OF MAXGE

■ Brand Interpretation

Chinese Name: Mei Gao
Mei: Pursue perfection
Gao: Ascend to virtue
English Name: MAXGE
MAX: Maximum
GE: Global Electric

■ Corporate Vision

Committed to becoming a world-class intelligent electric brand

■ Corporate Mission

Smart Manufacturing
Smart Electric
Smart Life

■ Corporate Values

Pursue perfection
Ascend to virtue

■ Brand Slogans

Survive on quality
Develop on innovation
Focus on customers

■ Product Concept

Secure and Reliable
Energy saving and Environment protection
Technology innovation
Artificial intelligence

■ Corporate Spirit

Integrity
Focus
Pragmatism
Innovation





EPR-2 Series Residual Current Circuit Breaker ----- 01/03



EPRI Series Residual Current Circuit Breaker ----- 04/06



EPRI-B B-Type Residual Current Circuit Breaker ----- 07/08



EPBRi Series Residual Current Operated
Circuit Breaker with overload protection ----- 09/11



EPBR-w Series Residual Current Operated
Circuit Breaker with overload protection ----- 12/15



EPBR-63M/H Series Residual Current Operated
Circuit Breaker with overload protection - 16/19



AFDD Arc Fault Detection Device ----- 20



1-4P

EPB-63Me/Ne/Se Series Miniature Circuit Breaker -- 21/24



1-4P

EPB-63S/N Series Miniature Circuit Breaker ----- 25/30



1-4P

EPB-63M/H Series Miniature Circuit Breaker ----- 31/36



1-4P

EPB-63M--DC Series Miniature Circuit Breaker ----- 37/40



EP-DPN Series Miniature Circuit Breaker ----- 41/43



1-4P

EPB-125H Series High Rated Miniature Circuit Breaker----- 44/46



1-4P

EPI-R Series Isolating Switch ----- 47/49



EPBA Series MCB Accessory ----- 50/54



1-4P

EPC1 Series Modular Contactor ----- 55/57



EPSO Series Door Bell ----- 58/59



EP SL Series Indicating Light ----- 60/63



1-4P

SGS1 Series Surge Protective Device ----- 64/68



2-3P

SGS1-DC Series Surge Protective Device ----- 69/70



1-4P







EPF-32 Series Fuse Holder ----- 71/73



1-4P

EPF-63 Series Fuse Holder ----- 74/76

Products Overview of Residual Current Protective Devices

Product name	RCCB						RCBO			
Product range	EPR-2		EPRi		EPRi-B		EPBRi	EPBR- w	EPBR-63H	
Product picture										
Standard	IEC/EN 61008-1		IEC/EN 61008-1		IEC/EN 62423		IEC/EN 61009-1	IEC/EN 61009-1	IEC/EN 61009-1	
Number of poles	2 (1P+N)	4 (3P+N)	2 (1P+N)	4 (3P+N)	2 (1P+N)	4 (3P+N)	1P+N	1P+N	1P+N	
Electrical characteristics										
Rated current(A) In	16~80		25~125		16~63		6~40	6~40	6~63	
Rated voltage(V)	240VAC	415VAC	240VAC	415VAC	240VAC	415VAC	240VAC	240VAC	240VAC	
Rated residual current(mA)	10,30,100,300		10,30,100,300		30,100,300		10,30,100,300	10,30,100,300	10,30,100,300	
Breaking capacity(kA)	6,10		6,10		7.5		6,10	6,10	6,10	
Overload protection function	Without		Without		Without		With	With	With	
Tripping curve	—		—		—		B,C	B,C	B,C	
Type	AC, A		AC, A		B		AC, A	AC	AC, A	
Residual current protection mode	Electro-magnetic		Electro-magnetic		Electro-magnetic		Electronic	Electronic	Electronic/ Electro-magnetic	
Catalogue page No.	01-03		04-06		07-08		09-11	12-15	16-19	

EPR-2 Series Residual Current Circuit Breaker

Technical data

Standard	EN / IEC61008-1
Rated conditional short-circuit current, I_{nc}	6kA, 10kA
Protection	Ground fault
Rated current, I_n	16,20, 25,32,40,50,63,80A
Number of poles	2(1+N),4(3+N)pole
Rated sensitivity currents, I_{Δn}	10,30,100,300mA
Rated residual non-operating current	0.5 X I _{Δn}
Rated impulse withstand voltage U_{imp}	4kV
Rated voltage 2pole	240VAC
4pole	415 VAC
Ambient temperature (°C)	-25~+40,Max. 95%humidity
Residual current off-time at I_{Δn}	≤0.1s
Rated residual current making & breaking capacity, I_{Δm}	500A for I _n =16,25,32,40,50A 630A for I _n =63A 800A for I _n =80A
Type of trip	Electro-magnetic release
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 25mm ²
Protection degree	IP20
Installation	35mm DIN rail



EPR-2-2P



EPR-2-4P



EPR-2 RCD



EPR-2-2P



EPR-2-4P

Rated current(A)	$I_{\Delta n}$	Type AC 	Type A 	Packing unit
16	10mA	EPR-2/2/16/10	EPR-2/2/16/10-A	1
20		EPR-2/2/20/10	EPR-2/2/20/10-A	1
25		EPR-2/2/25/10	EPR-2/2/25/10-A	1
16	30mA	EPR-2/2/16/30	EPR-2/2/16/30-A	1
20		EPR-2/2/20/30	EPR-2/2/20/30-A	1
25		EPR-2/2/25/30	EPR-2/2/25/30-A	1
32		EPR-2/2/32/30	EPR-2/2/32/30-A	1
40		EPR-2/2/40/30	EPR-2/2/40/30-A	1
50		EPR-2/2/50/30	EPR-2/2/50/30-A	1
63	100mA	EPR-2/2/63/30	EPR-2/2/63/30-A	1
80		EPR-2/2/80/30	EPR-2/2/80/30-A	1
16		EPR-2/2/16/100	EPR-2/2/16/100-A	1
20		EPR-2/2/20/100	EPR-2/2/20/100-A	1
25		EPR-2/2/25/100	EPR-2/2/25/100-A	1
32		EPR-2/2/32/100	EPR-2/2/32/100-A	1
40	300mA	EPR-2/2/40/100	EPR-2/2/40/100-A	1
50		EPR-2/2/50/100	EPR-2/2/50/100-A	1
63		EPR-2/2/63/100	EPR-2/2/63/100-A	1
80		EPR-2/2/80/100	EPR-2/2/80/100-A	1
16		EPR-2/2/16/300	EPR-2/2/16/300-A	1
20		EPR-2/2/20/300	EPR-2/2/20/300-A	1
25	10mA	EPR-2/2/25/300	EPR-2/2/25/300-A	1
32		EPR-2/2/32/300	EPR-2/2/32/300-A	1
40		EPR-2/2/40/300	EPR-2/2/40/300-A	1
50		EPR-2/2/50/300	EPR-2/2/50/300-A	1
63		EPR-2/2/63/300	EPR-2/2/63/300-A	1
80		EPR-2/2/80/300	EPR-2/2/80/300-A	1
16	10mA	EPR-2/4/16/10	EPR-2/4/16/10-A	1
20		EPR-2/4/20/10	EPR-2/4/20/10-A	1
25		EPR-2/4/25/10	EPR-2/4/25/10-A	1
16	30mA	EPR-2/4/16/30	EPR-2/4/16/30-A	1
20		EPR-2/4/20/30	EPR-2/4/20/30-A	1
25		EPR-2/4/25/30	EPR-2/4/25/30-A	1
32		EPR-2/4/32/30	EPR-2/4/32/30-A	1
40		EPR-2/4/40/30	EPR-2/4/40/30-A	1
50		EPR-2/4/50/30	EPR-2/4/50/30-A	1
63	100mA	EPR-2/4/63/30	EPR-2/4/63/30-A	1
80		EPR-2/4/80/30	EPR-2/4/80/30-A	1
16		EPR-2/4/16/100	EPR-2/4/16/100-A	1
20		EPR-2/4/20/100	EPR-2/4/20/100-A	1
25		EPR-2/4/25/100	EPR-2/4/25/100-A	1
32		EPR-2/4/32/100	EPR-2/4/32/100-A	1
40	300mA	EPR-2/4/40/100	EPR-2/4/40/100-A	1
50		EPR-2/4/50/100	EPR-2/4/50/100-A	1
63		EPR-2/4/63/100	EPR-2/4/63/100-A	1
80		EPR-2/4/80/100	EPR-2/4/80/100-A	1
16		EPR-2/4/16/300	EPR-2/4/16/300-A	1
20		EPR-2/4/20/300	EPR-2/4/20/300-A	1
25	10mA	EPR-2/4/25/300	EPR-2/4/25/300-A	1
32		EPR-2/4/32/300	EPR-2/4/32/300-A	1
40		EPR-2/4/40/300	EPR-2/4/40/300-A	1
50		EPR-2/4/50/300	EPR-2/4/50/300-A	1
63		EPR-2/4/63/300	EPR-2/4/63/300-A	1
80		EPR-2/4/80/300	EPR-2/4/80/300-A	1

1. Life

In	Operating cycles		Operating frequency (operations/h)
	On-load operating cycles	Off-load operating cycles	
16,20,25,32	2000	2000	240
40,50,63,80	2000	1000	120

2. Breaking time of residual current

Max.breaking time					
In(A)	I Δ n(A)	I Δ n	2I Δ n	5I Δ n	5A,10A,20A,50A,100A,200A,500A
16,20,25,32,40,50,63,80	0.01,0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

3. Wiring

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

Rated current In (A)	Cross section area s (mm ²)	Tightening torque (N.m)
16	2.5	2.5
20	2.5	2.5
25	4	2.5
32	6	2.5
40	10	2.5
50	16	2.5
63	16	2.5
80	25	2.5

4. Features

When designing residual current devices, manufacturing technology and type of routine tests, the IEC / EN 61008-1 standards were considered. Important features are:

Up to date design

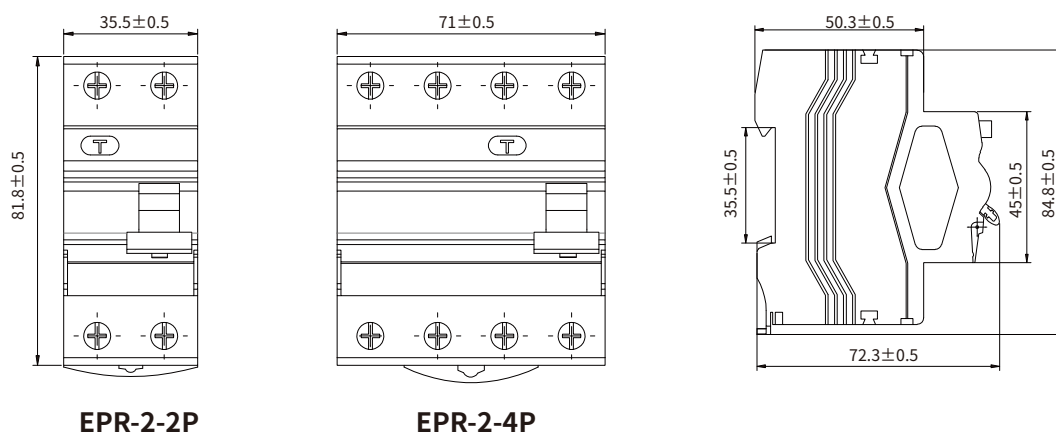
User-friendly connection of conductors and busbars

Resistance to current surges; unwanted tripping excluded

Simple and solid fixing to a 35 mm mounting rail in compliance with EN 60715

Additional colour display of main contacts position (red:contacts closed, green:contacts open)

5. Overall and mounting dimensions



EPRi Series Residual Current Circuit Breaker

Technical data

Standard	EN/ IEC61008-1
Rated conditional short-circuit current, Inc	6kA, 10kA
Protection	Ground fault
Rated current, In	25,32,40,63,80, 100, 125A
Number of poles	2(1+N),4(3+N)pole
Rated sensitivity currents, I_{Δn}	10,30, 100,300mA
Rated residual non-operating current	0.5 X I _{Δn}
Rated impulse withstand voltage Uimp	4kV
Rated voltages	2pole 240 VAC 4pole 415 VAC
Ambient temperature (°C)	-25~+40,Max. 95%humidity
Residual current off-time at I_{Δn}	≤0.1s
Rated residual current making & breaking capacity, I_{Δm}	500A for In=16,25,32,40A 630A for In=63A 800A for In=80A 1000A for In=100A
Type of trip	Electro-magnetic release
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 35mm ²
Protection degree	IP20
Installation	35mm DIN rail







Intertek



EPRi-2P



EPRi-4P

EPRi RCD	Rated current(A)	$I_{\Delta n}$	Type AC 	Type A 	Packing unit	
 EPRi-2P	25	10mA	EPRi-2/25/10	EPRi-2/25/10-A	1	
	25		EPRi-2/25/30	EPRi-2/25/30-A	1	
	32		EPRi-2/32/30	EPRi-2/32/30-A	1	
	40	30mA	EPRi-2/40/30	EPRi-2/40/30-A	1	
	63		EPRi-2/63/30	EPRi-2/63/30-A	1	
	80		EPRi-2/80/30	EPRi-2/80/30-A	1	
	100		EPRi-2/100/30	EPRi-2/100/30-A	1	
	125		EPRi-2/125/30	EPRi-2/125/30-A	1	
	25	100mA	EPRi-2/25/100	EPRi-2/25/100-A	1	
	32		EPRi-2/32/100	EPRi-2/32/100-A	1	
	40		EPRi-2/40/100	EPRi-2/40/100-A	1	
	63		EPRi-2/63/100	EPRi-2/63/100-A	1	
	80		EPRi-2/80/100	EPRi-2/80/100-A	1	
	100		EPRi-2/100/100	EPRi-2/100/100-A	1	
	125		EPRi-2/125/100	EPRi-2/125/100-A	1	
	25	300mA	EPRi-2/25/300	EPRi-2/25/300-A	1	
	32		EPRi-2/32/300	EPRi-2/32/300-A	1	
	40		EPRi-2/40/300	EPRi-2/40/300-A	1	
	63		EPRi-2/63/300	EPRi-2/63/300-A	1	
	80		EPRi-2/80/300	EPRi-2/80/300-A	1	
	100		EPRi-2/100/300	EPRi-2/100/300-A	1	
	125		EPRi-2/125/300	EPRi-2/125/300-A	1	
	 EPRi-4P	25	10mA	EPRi-4/25/10	EPRi-4/25/10-A	1
		25		EPRi-4/25/30	EPRi-4/25/30-A	1
32		EPRi-4/32/30		EPRi-4/32/30-A	1	
40		30mA	EPRi-4/40/30	EPRi-4/40/30-A	1	
63			EPRi-4/63/30	EPRi-4/63/30-A	1	
80			EPRi-4/80/30	EPRi-4/80/30-A	1	
100			EPRi-4/100/30	EPRi-4/100/30-A	1	
125			EPRi-4/125/30	EPRi-4/125/30-A	1	
25		100mA	EPRi-4/25/100	EPRi-4/25/100-A	1	
32			EPRi-4/32/100	EPRi-4/32/100-A	1	
40			EPRi-4/40/100	EPRi-4/40/100-A	1	
63			EPRi-4/63/100	EPRi-4/63/100-A	1	
80			EPRi-4/80/100	EPRi-4/80/100-A	1	
100			EPRi-4/100/100	EPRi-4/100/100-A	1	
125			EPRi-4/125/100	EPRi-4/125/100-A	1	
25		300mA	EPRi-4/25/300	EPRi-4/25/300-A	1	
32			EPRi-4/32/300	EPRi-4/32/300-A	1	
40			EPRi-4/40/300	EPRi-4/40/300-A	1	
63			EPRi-4/63/300	EPRi-4/63/300-A	1	
80			EPRi-4/80/300	EPRi-4/80/300-A	1	
100			EPRi-4/100/300	EPRi-4/100/300-A	1	
125			EPRi-4/125/300	EPRi-4/125/300-A	1	

1. Life

In	Operating cycles		Operating frequency (operations/h)
	On-load operating cycles	Off-load operating cycles	
25,32	2000	2000	240
40,63,80,100,125	2000	1000	120

2. Breaking time of residual current

Max. breaking time					
In(A)	I _{Δn} (A)	I _{Δn}	2I _{Δn}	5I _{Δn}	5A,10A,20A,50A,100A,200A,500A
25,32,40,63,80,100,125	0.01,0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

3. Wiring

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

Rated current In (A)	Cross section area s (mm ²)	Tightening torque (N.m)
25	4	2.5
32	6	2.5
40	10	2.5
63	16	2.5
80	25	2.5
100	35	2.5
125	35	2.5

4. Features

When designing residual current devices, manufacturing technology and type of routine tests, the IEC / EN 61008-1 standards were considered. Important features are:

Up to date design

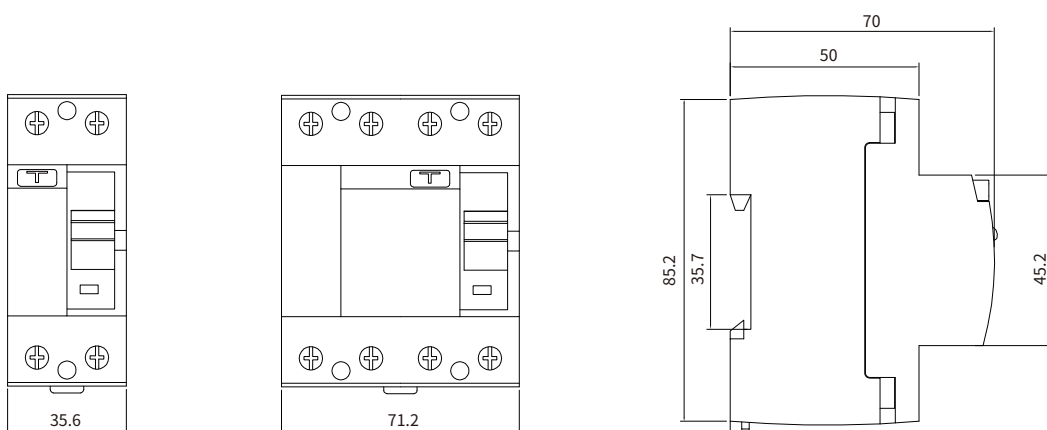
User-friendly connection of conductors and busbars

Resistance to current surges; unwanted tripping excluded

Simple and solid fixing to a 35 mm mounting rail in compliance with EN 60715

Additional colour display of main contacts position (red:contacts closed, green:contacts open)

5. Overall and mounting dimensions



RCCB TYPE B EPRI-B Series

- High reliability
- Switched Neutral
- EV Charging & Solar PV Application
- Tripping Under AC, Pulsating & Smooth DC Currents
- Protection against direct/indirect contact



Committed to becoming a world-class intelligent electric brand



EPRi-B-2P



EPRi-B-4P

EPRi-B Series Residual Current Circuit Breaker

Technical data

Standard	EN/IEC62423
Rated conditional short-circuit current, I_{nc}	7.5 KA
Protection	Ground fault
Rated current, I_n	16,25,32,40,63A
Number of poles	2(1+N),4(3+N)pole
Rated sensitivity currents, $I_{\Delta n}$	30, 100,300mA
Rated residual non-operating current	$0.5 \times I_{\Delta n}$
Rated impulse withstand voltage U_{imp}	4kV
Rated voltages 4pole	240/415VAC
Ambient temperature (°C)	-25~+40,Max. 95%humidity
Residual current off-time at $I_{\Delta n}$	$\leq 0.1s$
Rated residual current making & breaking capacity, $I_{\Delta m}$	500A for $I_n=16,25,32,40A$ 630A for $I_n=63A$
Type of trip	Electro-magnetic release
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 35mm ²
Protection degree	IP20
Installation	35mm DIN rail



1. Life

I_n	Operating cycles		Operating frequency (operations/h)
	On-load operating cycles	Off-load operating cycles	
25,32	2000	2000	240
40,63	2000	1000	120






2. Breaking time of residual current

Max.breaking time					
$I_n(A)$	$I_{\Delta n}(A)$	$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	5A,10A,20A,50A,100A,200A,500A
25,32,40,63,	0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

3. Wiring

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

Rated current I_n (A)	Nominal cross section area $s(mm)^2$	Tightening torque (N.m)
25	4	2.5
32	6	2.5
40	10	2.5
63	16	2.5

EPRi-B RCD	Rated current(A)	$I_{\Delta n}$	B Type   	Packing unit
 EPRi-B-2P	25	30mA	EPRi-B/2/25/30	1
	32		EPRi-B/2/32/30	1
	40		EPRi-B/2/40/30	1
	63		EPRi-B/2/63/30	1
	25	100mA	EPRi-B/2/25/100	1
	32		EPRi-B/2/32/100	1
	40		EPRi-B/2/40/100	1
	63		EPRi-B/2/63/100	1
	25	300mA	EPRi-B/2/25/300	1
	32		EPRi-B/2/32/300	1
	40		EPRi-B/2/40/300	1
	63		EPRi-B/2/63/300	1
 EPRi-B-4P	25	30mA	EPRi-B/4/25/30	1
	32		EPRi-B/4/32/30	1
	40		EPRi-B/4/40/30	1
	63		EPRi-B/4/63/30	1
	25	100mA	EPRi-B/4/25/100	1
	32		EPRi-B/4/32/100	1
	40		EPRi-B/4/40/100	1
	63		EPRi-B/4/63/100	1
	25	300mA	EPRi-B/4/25/300	1
	32		EPRi-B/4/32/300	1
	40		EPRi-B/4/40/300	1
	63		EPRi-B/4/63/300	1

4. Features

When designing residual current devices, manufacturing technology and type of routine tests, the IEC / EN 62423 standards were considered. Important features are:

Up to date design

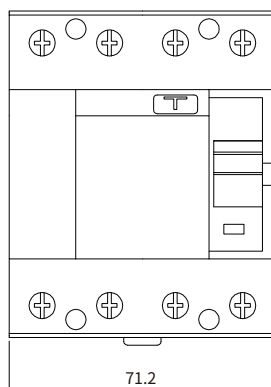
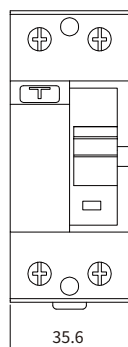
User-friendly connection of conductors and busbars

Resistance to current surges; unwanted tripping excluded

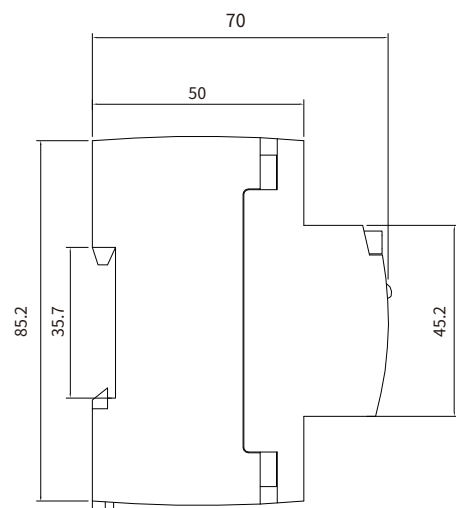
Simple and solid fixing to a 35 mm mounting rail

Additional colour display of main contacts position (red:contacts closed, green:contacts open)

5. Overall and mounting dimensions



EPRi-B



EPBRi Series (Electronic) Residual Current Operated Circuit Breaker(RCBO)

Technical data

Standard	EN/ IEC61009-1
Breaking Capacity	6kA,10kA
Number of poles	1 P+N(1 module)
Rated current,In	6, 10, 13,16, 20, 25, 32, 40A
Rated voltage	240VAC
Rated Tripping Current	10,30,100,300mA
Residual current off time	≤0.1s
Characteristic	B,C Curve
Electrical endurance	4000
Mechanical endurance	10000
Ambient temperature (°C)	-25~+40, Max. 95%humidity
Connection terminal	Flexible conductor 16mm ² Rigid conductor 25mm ²
Type of terminal	Lug type and Pin type
Width	17.8mm









Intertek






EPBRi-6K



EPBRi-10K

EPBRi-6K RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit
			B curve	C curve	B curve	C curve	
	6	10mA	EPBRi-6K/B6/10	EPBRi-6K/C6/10	EPBRi-6K/B6/10-A	EPBRi-6K/C6/10-A	5
	10		EPBRi-6K/B10/10	EPBRi-6K/C10/10	EPBRi-6K/B10/10-A	EPBRi-6K/C10/10-A	5
	13		EPBRi-6K/B13/10	EPBRi-6K/C13/10	EPBRi-6K/B13/10-A	EPBRi-6K/C13/10-A	5
	16		EPBRi-6K/B16/10	EPBRi-6K/C16/10	EPBRi-6K/B16/10-A	EPBRi-6K/C16/10-A	5
	20		EPBRi-6K/B20/10	EPBRi-6K/C20/10	EPBRi-6K/B20/10-A	EPBRi-6K/C20/10-A	5
	25		EPBRi-6K/B25/10	EPBRi-6K/C25/10	EPBRi-6K/B25/10-A	EPBRi-6K/C25/10-A	5
	32		EPBRi-6K/B32/10	EPBRi-6K/C32/10	EPBRi-6K/B32/10-A	EPBRi-6K/C32/10-A	5
	40		EPBRi-6K/B40/10	EPBRi-6K/C40/10	EPBRi-6K/B40/10-A	EPBRi-6K/C40/10-A	5
	6	30mA	EPBRi-6K/B6/30	EPBRi-6K/C6/30	EPBRi-6K/B6/30-A	EPBRi-6K/C6/30-A	5
	10		EPBRi-6K/B10/30	EPBRi-6K/C10/30	EPBRi-6K/B10/30-A	EPBRi-6K/C10/30-A	5
	13		EPBRi-6K/B13/30	EPBRi-6K/C13/30	EPBRi-6K/B13/30-A	EPBRi-6K/C13/30-A	5
	16		EPBRi-6K/B16/30	EPBRi-6K/C16/30	EPBRi-6K/B16/30-A	EPBRi-6K/C16/30-A	5
	20		EPBRi-6K/B20/30	EPBRi-6K/C20/30	EPBRi-6K/B20/30-A	EPBRi-6K/C20/30-A	5
	25		EPBRi-6K/B25/30	EPBRi-6K/C25/30	EPBRi-6K/B25/30-A	EPBRi-6K/C25/30-A	5
	32		EPBRi-6K/B32/30	EPBRi-6K/C32/30	EPBRi-6K/B32/30-A	EPBRi-6K/C32/30-A	5
	40		EPBRi-6K/B40/30	EPBRi-6K/C40/30	EPBRi-6K/B40/30-A	EPBRi-6K/C40/30-A	5
	6	100mA	EPBRi-6K/B6/100	EPBRi-6K/C6/100	EPBRi-6K/B6/100-A	EPBRi-6K/C6/100-A	5
	10		EPBRi-6K/B10/100	EPBRi-6K/C10/100	EPBRi-6K/B10/100-A	EPBRi-6K/C10/100-A	5
	13		EPBRi-6K/B13/100	EPBRi-6K/C13/100	EPBRi-6K/B13/100-A	EPBRi-6K/C13/100-A	5
	16		EPBRi-6K/B16/100	EPBRi-6K/C16/100	EPBRi-6K/B16/100-A	EPBRi-6K/C16/100-A	5
	20		EPBRi-6K/B20/100	EPBRi-6K/C20/100	EPBRi-6K/B20/100-A	EPBRi-6K/C20/100-A	5
	25		EPBRi-6K/B25/100	EPBRi-6K/C25/100	EPBRi-6K/B25/100-A	EPBRi-6K/C25/100-A	5
	32		EPBRi-6K/B32/100	EPBRi-6K/C32/100	EPBRi-6K/B32/100-A	EPBRi-6K/C32/100-A	5
	40		EPBRi-6K/B40/100	EPBRi-6K/C40/100	EPBRi-6K/B40/100-A	EPBRi-6K/C40/100-A	5
	6	300mA	EPBRi-6K/B6/300	EPBRi-6K/C6/300	EPBRi-6K/B6/300-A	EPBRi-6K/C6/300-A	5
	10		EPBRi-6K/B10/300	EPBRi-6K/C10/300	EPBRi-6K/B10/300-A	EPBRi-6K/C10/300-A	5
	13		EPBRi-6K/B13/300	EPBRi-6K/C13/300	EPBRi-6K/B13/300-A	EPBRi-6K/C13/300-A	5
	16		EPBRi-6K/B16/300	EPBRi-6K/C16/300	EPBRi-6K/B16/300-A	EPBRi-6K/C16/300-A	5
	20		EPBRi-6K/B20/300	EPBRi-6K/C20/300	EPBRi-6K/B20/300-A	EPBRi-6K/C20/300-A	5
	25		EPBRi-6K/B25/300	EPBRi-6K/C25/300	EPBRi-6K/B25/300-A	EPBRi-6K/C25/300-A	5
	32		EPBRi-6K/B32/300	EPBRi-6K/C32/300	EPBRi-6K/B32/300-A	EPBRi-6K/C32/300-A	5
	40		EPBRi-6K/B40/300	EPBRi-6K/C40/300	EPBRi-6K/B40/300-A	EPBRi-6K/C40/300-A	5

EPBRi-10K RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit	
			B curve	C curve	B curve	C curve		
	6	10mA	EPBRi-10K/B6/10	EPBRi-10K/C6/10	EPBRi-10K/B6/10-A	EPBRi-10K/C6/10-A	5	
	10		EPBRi-10K/B10/10	EPBRi-10K/C10/10	EPBRi-10K/B10/10-A	EPBRi-10K/C10/10-A	5	
	13		EPBRi-10K/B13/10	EPBRi-10K/C13/10	EPBRi-10K/B13/10-A	EPBRi-10K/C13/10-A	5	
	16		EPBRi-10K/B16/10	EPBRi-10K/C16/10	EPBRi-10K/B16/10-A	EPBRi-10K/C16/10-A	5	
	20		EPBRi-10K/B20/10	EPBRi-10K/C20/10	EPBRi-10K/B20/10-A	EPBRi-10K/C20/10-A	5	
	25		EPBRi-10K/B25/10	EPBRi-10K/C25/10	EPBRi-10K/B25/10-A	EPBRi-10K/C25/10-A	5	
	32		EPBRi-10K/B32/10	EPBRi-10K/C32/10	EPBRi-10K/B32/10-A	EPBRi-10K/C32/10-A	5	
	40		EPBRi-10K/B40/10	EPBRi-10K/C40/10	EPBRi-10K/B40/10-A	EPBRi-10K/C40/10-A	5	
	6		30mA	EPBRi-10K/B6/30	EPBRi-10K/C6/30	EPBRi-10K/B6/30-A	EPBRi-10K/C6/30-A	5
	10			EPBRi-10K/B10/30	EPBRi-10K/C10/30	EPBRi-10K/B10/30-A	EPBRi-10K/C10/30-A	5
13	EPBRi-10K/B13/30	EPBRi-10K/C13/30		EPBRi-10K/B13/30-A	EPBRi-10K/C13/30-A	5		
16	EPBRi-10K/B16/30	EPBRi-10K/C16/30		EPBRi-10K/B16/30-A	EPBRi-10K/C16/30-A	5		
20	EPBRi-10K/B20/30	EPBRi-10K/C20/30		EPBRi-10K/B20/30-A	EPBRi-10K/C20/30-A	5		
25	EPBRi-10K/B25/30	EPBRi-10K/C25/30		EPBRi-10K/B25/30-A	EPBRi-10K/C25/30-A	5		
32	EPBRi-10K/B32/30	EPBRi-10K/C32/30		EPBRi-10K/B32/30-A	EPBRi-10K/C32/30-A	5		
40	EPBRi-10K/B40/30	EPBRi-10K/C40/30		EPBRi-10K/B40/30-A	EPBRi-10K/C40/30-A	5		
6	100mA	EPBRi-10K/B6/100		EPBRi-10K/C6/100	EPBRi-10K/B6/100-A	EPBRi-10K/C6/100-A	5	
10		EPBRi-10K/B10/100		EPBRi-10K/C10/100	EPBRi-10K/B10/100-A	EPBRi-10K/C10/100-A	5	
13		EPBRi-10K/B13/100	EPBRi-10K/C13/100	EPBRi-10K/B13/100-A	EPBRi-10K/C13/100-A	5		
16		EPBRi-10K/B16/100	EPBRi-10K/C16/100	EPBRi-10K/B16/100-A	EPBRi-10K/C16/100-A	5		
20		EPBRi-10K/B20/100	EPBRi-10K/C20/100	EPBRi-10K/B20/100-A	EPBRi-10K/C20/100-A	5		
25		EPBRi-10K/B25/100	EPBRi-10K/C25/100	EPBRi-10K/B25/100-A	EPBRi-10K/C25/100-A	5		
32		EPBRi-10K/B32/100	EPBRi-10K/C32/100	EPBRi-10K/B32/100-A	EPBRi-10K/C32/100-A	5		
40		EPBRi-10K/B40/100	EPBRi-10K/C40/100	EPBRi-10K/B40/100-A	EPBRi-10K/C40/100-A	5		
6		300mA	EPBRi-10K/B6/300	EPBRi-10K/C6/300	EPBRi-10K/B6/300-A	EPBRi-10K/C6/300-A	5	
10			EPBRi-10K/B10/300	EPBRi-10K/C10/300	EPBRi-10K/B10/300-A	EPBRi-10K/C10/300-A	5	
13	EPBRi-10K/B13/300		EPBRi-10K/C13/300	EPBRi-10K/B13/300-A	EPBRi-10K/C13/300-A	5		
16	EPBRi-10K/B16/300		EPBRi-10K/C16/300	EPBRi-10K/B16/300-A	EPBRi-10K/C16/300-A	5		
20	EPBRi-10K/B20/300		EPBRi-10K/C20/300	EPBRi-10K/B20/300-A	EPBRi-10K/C20/300-A	5		
25	EPBRi-10K/B25/300		EPBRi-10K/C25/300	EPBRi-10K/B25/300-A	EPBRi-10K/C25/300-A	5		
32	EPBRi-10K/B32/300		EPBRi-10K/C32/300	EPBRi-10K/B32/300-A	EPBRi-10K/C32/300-A	5		
40	EPBRi-10K/B40/300		EPBRi-10K/C40/300	EPBRi-10K/B40/300-A	EPBRi-10K/C40/300-A	5		

Type AC



Type A





EPBR-W Series (Electronic) Residual Current Operated Circuit Breaker(RCBO)

Technical data

Standard	EN/ IEC61009-1
Breaking Capacity	6kA,10kA
Number of poles	1 P+N(1module)
Rated current,In	6, 10, 16, 20, 25, 32, 40A
Rated voltage	240VAC
Rated Tripping Current	10,30,100,300mA
Residual current off time	≤0.1s
Characteristic	B,C Curve
Electrical endurance	4000
Mechanical endurance	10000
Ambient temperature (°C)	-25~+40, Max. 95%humidity
Connection terminal	Flexible conductor 16mm ² Rigid conductor 25mm ²
Type of terminal	Lug type and Pin type
Width	25mm





EPBR-w

EPBR6K-w RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit
			B curve	C curve	B curve	C curve	
	6	10mA	EPBR6K-w/B6/10	EPBR6K-w/C6/10	EPBR6K-w/B6/10-A	EPBR6K-w/C6/10-A	5
	10		EPBR6K-w/B10/10	EPBR6K-w/C10/10	EPBR6K-w/B10/10-A	EPBR6K-w/C10/10-A	5
	16		EPBR6K-w/B16/10	EPBR6K-w/C16/10	EPBR6K-w/B16/10-A	EPBR6K-w/C16/10-A	5
	20		EPBR6K-w/B20/10	EPBR6K-w/C20/10	EPBR6K-w/B20/10-A	EPBR6K-w/C20/10-A	5
	25		EPBR6K-w/B25/10	EPBR6K-w/C25/10	EPBR6K-w/B25/10-A	EPBR6K-w/C25/10-A	5
	32		EPBR6K-w/B32/10	EPBR6K-w/C32/10	EPBR6K-w/B32/10-A	EPBR6K-w/C32/10-A	5
	40		EPBR6K-w/B40/10	EPBR6K-w/C40/10	EPBR6K-w/B40/10-A	EPBR6K-w/C40/10-A	5
	6		30mA	EPBR6K-w/B6/30	EPBR6K-w/C6/30	EPBR6K-w/B6/30-A	EPBR6K-w/C6/30-A
	10	EPBR6K-w/B10/30		EPBR6K-w/C10/30	EPBR6K-w/B10/30-A	EPBR6K-w/C10/30-A	5
	16	EPBR6K-w/B16/30		EPBR6K-w/C16/30	EPBR6K-w/B16/30-A	EPBR6K-w/C16/30-A	5
	20	EPBR6K-w/B20/30		EPBR6K-w/C20/30	EPBR6K-w/B20/30-A	EPBR6K-w/C20/30-A	5
	25	EPBR6K-w/B25/30		EPBR6K-w/C25/30	EPBR6K-w/B25/30-A	EPBR6K-w/C25/30-A	5
	32	EPBR6K-w/B32/30		EPBR6K-w/C32/30	EPBR6K-w/B32/30-A	EPBR6K-w/C32/30-A	5
	40	EPBR6K-w/B40/30		EPBR6K-w/C40/30	EPBR6K-w/B40/30-A	EPBR6K-w/C40/30-A	5
	6	100mA		EPBR6K-w/B6/100	EPBR6K-w/C6/100	EPBR6K-w/B6/100-A	EPBR6K-w/C6/100-A
	10		EPBR6K-w/B10/100	EPBR6K-w/C10/100	EPBR6K-w/B10/100-A	EPBR6K-w/C10/100-A	5
	16		EPBR6K-w/B16/100	EPBR6K-w/C16/100	EPBR6K-w/B16/100-A	EPBR6K-w/C16/100-A	5
	20		EPBR6K-w/B20/100	EPBR6K-w/C20/100	EPBR6K-w/B20/100-A	EPBR6K-w/C20/100-A	5
	25		EPBR6K-w/B25/100	EPBR6K-w/C25/100	EPBR6K-w/B25/100-A	EPBR6K-w/C25/100-A	5
	32		EPBR6K-w/B32/100	EPBR6K-w/C32/100	EPBR6K-w/B32/100-A	EPBR6K-w/C32/100-A	5
	40		EPBR6K-w/B40/100	EPBR6K-w/C40/100	EPBR6K-w/B40/100-A	EPBR6K-w/C40/100-A	5
	6		300mA	EPBR6K-w/B6/300	EPBR6K-w/C6/300	EPBR6K-w/B6/300-A	EPBR6K-w/C6/300-A
	10	EPBR6K-w/B10/300		EPBR6K-w/C10/300	EPBR6K-w/B10/300-A	EPBR6K-w/C10/300-A	5
	16	EPBR6K-w/B16/300		EPBR6K-w/C16/300	EPBR6K-w/B16/300-A	EPBR6K-w/C16/300-A	5
	20	EPBR6K-w/B20/300		EPBR6K-w/C20/300	EPBR6K-w/B20/300-A	EPBR6K-w/C20/300-A	5
	25	EPBR6K-w/B25/300		EPBR6K-w/C25/300	EPBR6K-w/B25/300-A	EPBR6K-w/C25/300-A	5
	32	EPBR6K-w/B32/300		EPBR6K-w/C32/300	EPBR6K-w/B32/300-A	EPBR6K-w/C32/300-A	5
	40	EPBR6K-w/B40/300		EPBR6K-w/C40/300	EPBR6K-w/B40/300-A	EPBR6K-w/C40/300-A	5



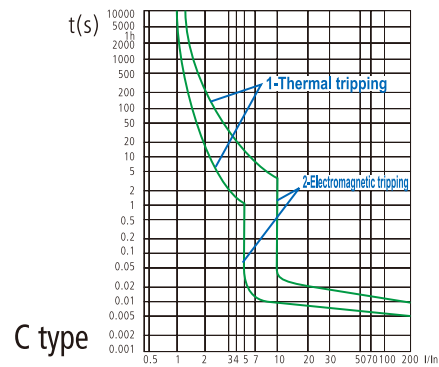
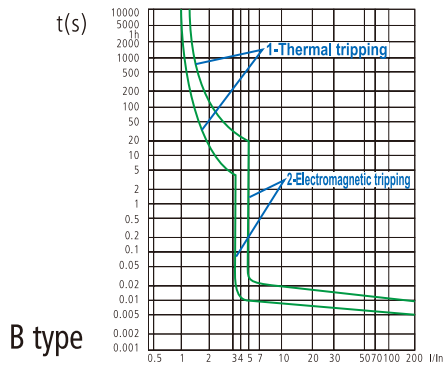
EPBR6K-w

EPBR10K-w RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit
			B curve	C curve	B curve	C curve	
	6	10mA	EPBR10K-w/B6/10	EPBR10K-w/C6/10	EPBR10K-w/B6/10-A	EPBR10K-w/C6/10-A	5
	10		EPBR10K-w/B10/10	EPBR10K-w/C10/10	EPBR10K-w/B10/10-A	EPBR10K-w/C10/10-A	5
	16		EPBR10K-w/B16/10	EPBR10K-w/C16/10	EPBR10K-w/B16/10-A	EPBR10K-w/C16/10-A	5
	20		EPBR10K-w/B20/10	EPBR10K-w/C20/10	EPBR10K-w/B20/10-A	EPBR10K-w/C20/10-A	5
	25		EPBR10K-w/B25/10	EPBR10K-w/C25/10	EPBR10K-w/B25/10-A	EPBR10K-w/C25/10-A	5
	32		EPBR10K-w/B32/10	EPBR10K-w/C32/10	EPBR10K-w/B32/10-A	EPBR10K-w/C32/10-A	5
	40		EPBR10K-w/B40/10	EPBR10K-w/C40/10	EPBR10K-w/B40/10-A	EPBR10K-w/C40/10-A	5
	6	30mA	EPBR10K-w/B6/30	EPBR10K-w/C6/30	EPBR10K-w/B6/30-A	EPBR10K-w/C6/30-A	5
	10		EPBR10K-w/B10/30	EPBR10K-w/C10/30	EPBR10K-w/B10/30-A	EPBR10K-w/C10/30-A	5
	16		EPBR10K-w/B16/30	EPBR10K-w/C16/30	EPBR10K-w/B16/30-A	EPBR10K-w/C16/30-A	5
	20		EPBR10K-w/B20/30	EPBR10K-w/C20/30	EPBR10K-w/B20/30-A	EPBR10K-w/C20/30-A	5
	25		EPBR10K-w/B25/30	EPBR10K-w/C25/30	EPBR10K-w/B25/30-A	EPBR10K-w/C25/30-A	5
	32		EPBR10K-w/B32/30	EPBR10K-w/C32/30	EPBR10K-w/B32/30-A	EPBR10K-w/C32/30-A	5
	40		EPBR10K-w/B40/30	EPBR10K-w/C40/30	EPBR10K-w/B40/30-A	EPBR10K-w/C40/30-A	5
	6	100mA	EPBR10K-w/B6/100	EPBR10K-w/C6/100	EPBR10K-w/B6/100-A	EPBR10K-w/C6/100-A	5
	10		EPBR10K-w/B10/100	EPBR10K-w/C10/100	EPBR10K-w/B10/100-A	EPBR10K-w/C10/100-A	5
	16		EPBR10K-w/B16/100	EPBR10K-w/C16/100	EPBR10K-w/B16/100-A	EPBR10K-w/C16/100-A	5
	20		EPBR10K-w/B20/100	EPBR10K-w/C20/100	EPBR10K-w/B20/100-A	EPBR10K-w/C20/100-A	5
	25		EPBR10K-w/B25/100	EPBR10K-w/C25/100	EPBR10K-w/B25/100-A	EPBR10K-w/C25/100-A	5
	32		EPBR10K-w/B32/100	EPBR10K-w/C32/100	EPBR10K-w/B32/100-A	EPBR10K-w/C32/100-A	5
	40		EPBR10K-w/B40/100	EPBR10K-w/C40/100	EPBR10K-w/B40/100-A	EPBR10K-w/C40/100-A	5
	6	300mA	EPBR10K-w/B6/300	EPBR10K-w/C6/300	EPBR10K-w/B6/300-A	EPBR10K-w/C6/300-A	5
	10		EPBR10K-w/B10/300	EPBR10K-w/C10/300	EPBR10K-w/B10/300-A	EPBR10K-w/C10/300-A	5
	16		EPBR10K-w/B16/300	EPBR10K-w/C16/300	EPBR10K-w/B16/300-A	EPBR10K-w/C16/300-A	5
	20		EPBR10K-w/B20/300	EPBR10K-w/C20/300	EPBR10K-w/B20/300-A	EPBR10K-w/C20/300-A	5
	25		EPBR10K-w/B25/300	EPBR10K-w/C25/300	EPBR10K-w/B25/300-A	EPBR10K-w/C25/300-A	5
	32		EPBR10K-w/B32/300	EPBR10K-w/C32/300	EPBR10K-w/B32/300-A	EPBR10K-w/C32/300-A	5
	40		EPBR10K-w/B40/300	EPBR10K-w/C40/300	EPBR10K-w/B40/300-A	EPBR10K-w/C40/300-A	5



EPBR6K-w

1. Curves



2. Breaking time of residual current

I _n (A)	I _{Δn} (A)	Max.breaking time			
		I _{Δn}	2I _{Δn}	5I _{Δn}	5A,10A,20A,50A,100A,200A,500A
6-40	0.01,0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

3. Wiring

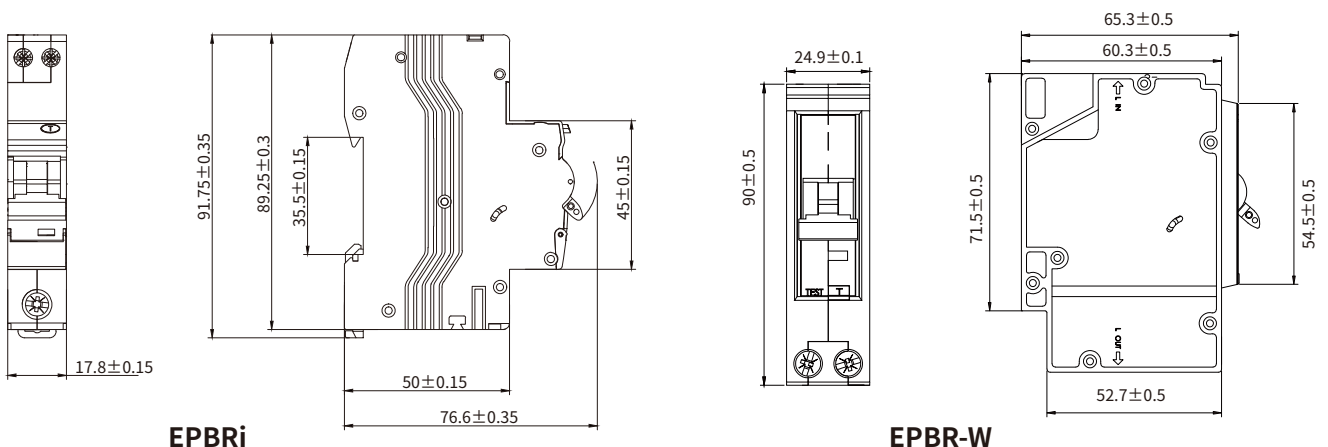
The suitable conductors should be used for connection, see table below for relative parameters.

Rated current I _n (A)	Cross section area s (mm ²)	Tightening torque (N.m)
6	1	2
10	1.5	2
16-20	2.5	2
25	4	2
32	6	2
40	10	2

4. Features

- Switching and isolation function.
- Protection against overload and short-circuit currents.
- Protection against the effects of sinusoidal alternating earth fault currents.
- Protection against indirect contacts and additional protection against direct contacts.
- Protection against fire hazard caused by insulation faults.
- Used in residential building and distribution boards.

5. Overall and mounting dimensions



EPBR-63M/H Series (Electronic/Electro-magnetic) Residual Current Operated Circuit Breaker(RCBO)

Technical data







Standard	EN/IEC61009-1	
Breaking capacity	6kA ,10kA	
Protection	Ground fault, overcurrent and short circuit	
Rated current,In	6,10,13, 16,20,25,32,40, 50, 63A	
Operating,IΔn	10,30,100,300mA	
Characteristic	B,C Curve	
Rated residual current operated making & breaking capacity IΔm	500A	
Rated residual non-operated current IΔn	0.5IΔn	
Rated impulse withstand voltage Uimp	4kV	
Number of poles	1P+N	
Rated voltages 2pole	240VAC	
Ambient temperature (°C)	-25~+40,Max. 95%humidity	
Residual current off-time	≤0.1 sec	
Type of trip	Ground fault	Electronic/Electro-magnetic
	Over current	Thermal-magnetic
Protection degree	IP20	
Terminal capacity	10mm ² flexible/16mm ² rigid	
Installation	35mm DIN rail	
Width	2 modules	
Type of terminal	Lug type and Pin type	









EPBR-63M

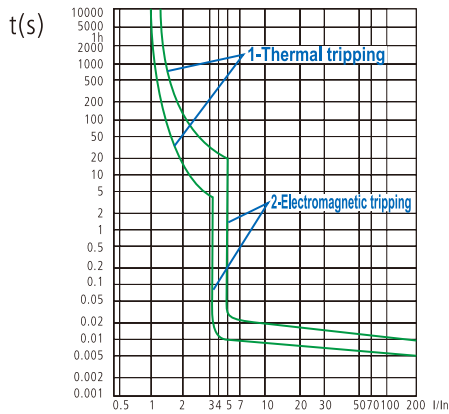


EPBR-63H

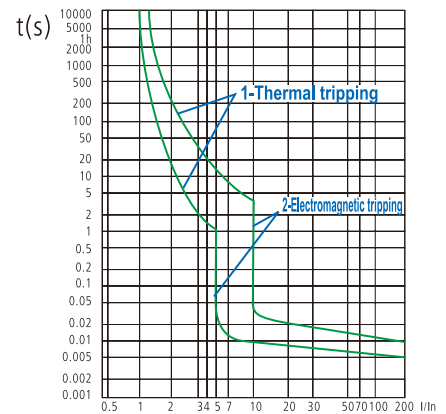
EPBR-63M-RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit
			B curve	C curve	B curve	C curve	
	10mA	6	EPBR-63M-B6/10	EPBR-63M-C6/10	EPBR-63M-B6/10-A	EPBR-63M-C6/10-A	1
		10	EPBR-63M-B10/10	EPBR-63M-C10/10	EPBR-63M-B10/10-A	EPBR-63M-C10/10-A	1
		13	EPBR-63M-B13/10	EPBR-63M-C13/10	EPBR-63M-B13/10-A	EPBR-63M-C13/10-A	1
		16	EPBR-63M-B16/10	EPBR-63M-C16/10	EPBR-63M-B16/10-A	EPBR-63M-C16/10-A	1
		20	EPBR-63M-B20/10	EPBR-63M-C20/10	EPBR-63M-B20/10-A	EPBR-63M-C20/10-A	1
		25	EPBR-63M-B25/10	EPBR-63M-C25/10	EPBR-63M-B25/10-A	EPBR-63M-C25/10-A	1
		32	EPBR-63M-B32/10	EPBR-63M-C32/10	EPBR-63M-B32/10-A	EPBR-63M-C32/10-A	1
		40	EPBR-63M-B40/10	EPBR-63M-C40/10	EPBR-63M-B40/10-A	EPBR-63M-C40/10-A	1
		50	EPBR-63M-B50/10	EPBR-63M-C50/10	EPBR-63M-B50/10-A	EPBR-63M-C50/10-A	1
		63	EPBR-63M-B63/10	EPBR-63M-C63/10	EPBR-63M-B63/10-A	EPBR-63M-C63/10-A	1
	30mA	6	EPBR-63M-B6/30	EPBR-63M-C6/30	EPBR-63M-B6/30-A	EPBR-63M-C6/30-A	1
		10	EPBR-63M-B10/30	EPBR-63M-C10/30	EPBR-63M-B10/30-A	EPBR-63M-C10/30-A	1
		13	EPBR-63M-B13/30	EPBR-63M-C13/30	EPBR-63M-B13/30-A	EPBR-63M-C13/30-A	1
		16	EPBR-63M-B16/30	EPBR-63M-C16/30	EPBR-63M-B16/30-A	EPBR-63M-C16/30-A	1
		20	EPBR-63M-B20/30	EPBR-63M-C20/30	EPBR-63M-B20/30-A	EPBR-63M-C20/30-A	1
		25	EPBR-63M-B25/30	EPBR-63M-C25/30	EPBR-63M-B25/30-A	EPBR-63M-C25/30-A	1
		32	EPBR-63M-B32/30	EPBR-63M-C32/30	EPBR-63M-B32/30-A	EPBR-63M-C32/30-A	1
		40	EPBR-63M-B40/30	EPBR-63M-C40/30	EPBR-63M-B40/30-A	EPBR-63M-C40/30-A	1
		50	EPBR-63M-B50/30	EPBR-63M-C50/30	EPBR-63M-B50/30-A	EPBR-63M-C50/30-A	1
		63	EPBR-63M-B63/30	EPBR-63M-C63/30	EPBR-63M-B63/30-A	EPBR-63M-C63/30-A	1
	100mA	6	EPBR-63M-B6/100	EPBR-63M-C6/100	EPBR-63M-B6/100-A	EPBR-63M-C6/100-A	1
		10	EPBR-63M-B10/100	EPBR-63M-C10/100	EPBR-63M-B10/100-A	EPBR-63M-C10/100-A	1
		13	EPBR-63M-B13/100	EPBR-63M-C13/100	EPBR-63M-B13/100-A	EPBR-63M-C13/100-A	1
		16	EPBR-63M-B16/100	EPBR-63M-C16/100	EPBR-63M-B16/100-A	EPBR-63M-C16/100-A	1
		20	EPBR-63M-B20/100	EPBR-63M-C20/100	EPBR-63M-B20/100-A	EPBR-63M-C20/100-A	1
		25	EPBR-63M-B25/100	EPBR-63M-C25/100	EPBR-63M-B25/100-A	EPBR-63M-C25/100-A	1
		32	EPBR-63M-B32/100	EPBR-63M-C32/100	EPBR-63M-B32/100-A	EPBR-63M-C32/100-A	1
		40	EPBR-63M-B40/100	EPBR-63M-C40/100	EPBR-63M-B40/100-A	EPBR-63M-C40/100-A	1
		50	EPBR-63M-B50/100	EPBR-63M-C50/100	EPBR-63M-B50/100-A	EPBR-63M-C50/100-A	1
		63	EPBR-63M-B63/100	EPBR-63M-C63/100	EPBR-63M-B63/100-A	EPBR-63M-C63/100-A	1
	300mA	6	EPBR-63M-B6/300	EPBR-63M-C6/300	EPBR-63M-B6/300-A	EPBR-63M-C6/300-A	1
		10	EPBR-63M-B10/300	EPBR-63M-C10/300	EPBR-63M-B10/300-A	EPBR-63M-C10/300-A	1
		13	EPBR-63M-B13/300	EPBR-63M-C13/300	EPBR-63M-B13/300-A	EPBR-63M-C13/300-A	1
		16	EPBR-63M-B16/300	EPBR-63M-C16/300	EPBR-63M-B16/300-A	EPBR-63M-C16/300-A	1
		20	EPBR-63M-B20/300	EPBR-63M-C20/300	EPBR-63M-B20/300-A	EPBR-63M-C20/300-A	1
		25	EPBR-63M-B25/300	EPBR-63M-C25/300	EPBR-63M-B25/300-A	EPBR-63M-C25/300-A	1
		32	EPBR-63M-B32/300	EPBR-63M-C32/300	EPBR-63M-B32/300-A	EPBR-63M-C32/300-A	1
		40	EPBR-63M-B40/300	EPBR-63M-C40/300	EPBR-63M-B40/300-A	EPBR-63M-C40/300-A	1
		50	EPBR-63M-B50/300	EPBR-63M-C50/300	EPBR-63M-B50/300-A	EPBR-63M-C50/300-A	1
		63	EPBR-63M-B63/300	EPBR-63M-C63/300	EPBR-63M-B63/300-A	EPBR-63M-C63/300-A	1

EPBR-63H-RCBO	Rated current(A)	$I_{\Delta n}$	Type AC 		Type A 		Packing unit
			B curve	C curve	B curve	C curve	
	6	10mA	EPBR-63H-B6/10	EPBR-63H-C6/10	EPBR-63H-B6/10-A	EPBR-63H-C6/10-A	1
	10		EPBR-63H-B10/10	EPBR-63H-C10/10	EPBR-63H-B10/10-A	EPBR-63H-C10/10-A	1
	13		EPBR-63H-B13/10	EPBR-63H-C13/10	EPBR-63H-B13/10-A	EPBR-63H-C13/10-A	1
	16		EPBR-63H-B16/10	EPBR-63H-C16/10	EPBR-63H-B16/10-A	EPBR-63H-C16/10-A	1
	20		EPBR-63H-B20/10	EPBR-63H-C20/10	EPBR-63H-B20/10-A	EPBR-63H-C20/10-A	1
	25		EPBR-63H-B25/10	EPBR-63H-C25/10	EPBR-63H-B25/10-A	EPBR-63H-C25/10-A	1
	32		EPBR-63H-B32/10	EPBR-63H-C32/10	EPBR-63H-B32/10-A	EPBR-63H-C32/10-A	1
	40		EPBR-63H-B40/10	EPBR-63H-C40/10	EPBR-63H-B40/10-A	EPBR-63H-C40/10-A	1
	50		EPBR-63H-B50/10	EPBR-63H-C50/10	EPBR-63H-B50/10-A	EPBR-63H-C50/10-A	1
	63		EPBR-63H-B63/10	EPBR-63H-C63/10	EPBR-63H-B63/10-A	EPBR-63H-C63/10-A	1
	6	30mA	EPBR-63H-B6/30	EPBR-63H-C6/30	EPBR-63H-B6/30-A	EPBR-63H-C6/30-A	1
	10		EPBR-63H-B10/30	EPBR-63H-C10/30	EPBR-63H-B10/30-A	EPBR-63H-C10/30-A	1
	13		EPBR-63H-B13/30	EPBR-63H-C13/30	EPBR-63H-B13/30-A	EPBR-63H-C13/30-A	1
	16		EPBR-63H-B16/30	EPBR-63H-C16/30	EPBR-63H-B16/30-A	EPBR-63H-C16/30-A	1
	20		EPBR-63H-B20/30	EPBR-63H-C20/30	EPBR-63H-B20/30-A	EPBR-63H-C20/30-A	1
	25		EPBR-63H-B25/30	EPBR-63H-C25/30	EPBR-63H-B25/30-A	EPBR-63H-C25/30-A	1
	32		EPBR-63H-B32/30	EPBR-63H-C32/30	EPBR-63H-B32/30-A	EPBR-63H-C32/30-A	1
	40		EPBR-63H-B40/30	EPBR-63H-C40/30	EPBR-63H-B40/30-A	EPBR-63H-C40/30-A	1
	50		EPBR-63H-B50/30	EPBR-63H-C50/30	EPBR-63H-B50/30-A	EPBR-63H-C50/30-A	1
	63		EPBR-63H-B63/30	EPBR-63H-C63/30	EPBR-63H-B63/30-A	EPBR-63H-C63/30-A	1
	6	100mA	EPBR-63H-B6/100	EPBR-63H-C6/100	EPBR-63H-B6/100-A	EPBR-63H-C6/100-A	1
	10		EPBR-63H-B10/100	EPBR-63H-C10/100	EPBR-63H-B10/100-A	EPBR-63H-C10/100-A	1
	13		EPBR-63H-B13/100	EPBR-63H-C13/100	EPBR-63H-B13/100-A	EPBR-63H-C13/100-A	1
	16		EPBR-63H-B16/100	EPBR-63H-C16/100	EPBR-63H-B16/100-A	EPBR-63H-C16/100-A	1
	20		EPBR-63H-B20/100	EPBR-63H-C20/100	EPBR-63H-B20/100-A	EPBR-63H-C20/100-A	1
	25		EPBR-63H-B25/100	EPBR-63H-C25/100	EPBR-63H-B25/100-A	EPBR-63H-C25/100-A	1
	32		EPBR-63H-B32/100	EPBR-63H-C32/100	EPBR-63H-B32/100-A	EPBR-63H-C32/100-A	1
	40		EPBR-63H-B40/100	EPBR-63H-C40/100	EPBR-63H-B40/100-A	EPBR-63H-C40/100-A	1
	50		EPBR-63H-B50/100	EPBR-63H-C50/100	EPBR-63H-B50/100-A	EPBR-63H-C50/100-A	1
	63		EPBR-63H-B63/100	EPBR-63H-C63/100	EPBR-63H-B63/100-A	EPBR-63H-C63/100-A	1
	6	300mA	EPBR-63H-B6/300	EPBR-63H-C6/300	EPBR-63H-B6/300-A	EPBR-63H-C6/300-A	1
	10		EPBR-63H-B10/300	EPBR-63H-C10/300	EPBR-63H-B10/300-A	EPBR-63H-C10/300-A	1
	13		EPBR-63H-B13/300	EPBR-63H-C13/300	EPBR-63H-B13/300-A	EPBR-63H-C13/300-A	1
	16		EPBR-63H-B16/300	EPBR-63H-C16/300	EPBR-63H-B16/300-A	EPBR-63H-C16/300-A	1
	20		EPBR-63H-B20/300	EPBR-63H-C20/300	EPBR-63H-B20/300-A	EPBR-63H-C20/300-A	1
	25		EPBR-63H-B25/300	EPBR-63H-C25/300	EPBR-63H-B25/300-A	EPBR-63H-C25/300-A	1
	32		EPBR-63H-B32/300	EPBR-63H-C32/300	EPBR-63H-B32/300-A	EPBR-63H-C32/300-A	1
	40		EPBR-63H-B40/300	EPBR-63H-C40/300	EPBR-63H-B40/300-A	EPBR-63H-C40/300-A	1
	50		EPBR-63H-B50/300	EPBR-63H-C50/300	EPBR-63H-B50/300-A	EPBR-63H-C50/300-A	1
	63		EPBR-63H-B63/300	EPBR-63H-C63/300	EPBR-63H-B63/300-A	EPBR-63H-C63/300-A	1

1. Curves



B type



C type

2. Wiring

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

Rated current In (A)	Cross section area s (mm ²)	Tightening torque (N.m)
6	1	2
10	1.5	2
13	1.5	2
16-20	2.5	2
25	4	2
32	6	2
40-50	10	2
63	16	2

3. Types

Both RCCBs and RCBOs are divided into types depending on the operating function:

Type AC : For which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly rising.

Type A : For which tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly rising.

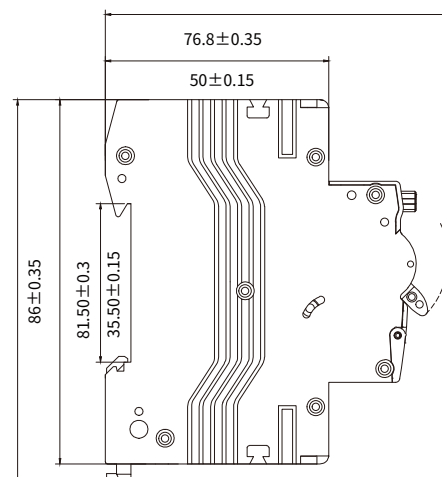
4. Tripping sensitivity data

RCD with a rated residual current of maximum 30mA are used for personnel, material and fire protection, as well as for protection against direct contact.

RCD with a rated residual current of maximum 300mA are used as preventative fire protection in case of insulation faults.

RCD with a rated residual current of 100mA co-ordinated with the earth system according to the formula $I_{\Delta n} < 50/R$, to provide protection against indirect contacts.

5. Overall and mounting dimensions



#AFDD

PREVENTS FIRES •

FITS IN NEW AND EXISTING INSTALLATIONS •

SWITCHED NEUTRAL •

4 IN 1 PROTECTION •

OVERLOAD

Test current: I_n : 6-32A
1.13 x I_n No-trip
1.45 x I_n Trip

SHORT CIRCUIT

B, C characteristic
B: (3-5) x I_n
C: (5-10) x I_n

ARC FAULT

Serial Arcing Fault
Parallel Arcing Fault

EARTH LEAKAGE

$I_{\Delta n}$: 30, 100, 300mA
Type A & AC










AFDD Series Arc Fault Detection Device





Technical data

Standard	IEC/BS EN 62606, IEC/BS EN 61009-1
Rated conditional short-circuit current, I_{nc}	6kA
Protection	Overload, Short circuit, Ground fault, Arc fault
Rated current, I_n	6, 10, 16, 20, 25, 32A
Number of poles	1P+N (1 Module)
Rated sensitivity currents, $I_{\Delta n}$	30, 100, 300mA
Characteristic	B, C Curve
Rated residual non-operating current	$0.5 \times I_{\Delta n}$
Rated impulse withstand voltage U_{imp}	4000V
Rated voltage 2pole	240VAC
Ambient temperature (°C)	-25~+40, Max. 95% humidity
Residual current off-time at $I_{\Delta n}$	$\leq 0.1s$
Type of trip	Electronic release
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 25mm ²
Protection degree	IP20
Mechanical Endurance	10000
Electricac Endurance	1200
Installation	35mm DIN rail
Application	Consumer Unit



Products Overview of Circuit Breakers

Product name	MCB						
Product range	EPB-63Me	EPB-63Ne	EPB-63Se	EPB-63S	EPB-63N	EPB-63M	EPB-63H
Product picture							
Standard	IEC/EN 60898-1						
Number of poles	1,2,3,4 (1P+N),(3P+N)						
Electrical characteristics							
Rated current(A) In	1~63			0.5~63			
Rated voltage(V)	230/400VAC						
AC rated short-circuit capacity(KA)							
IEC60898 standard (Icn)	6	4.5	3	3	4.5	6	10
IEC60947-2	—	—	—	—	—	—	—
Tripping curve	C	C	C	B,C,D	B,C,D	B,C,D	B,C,D
Type	AC	AC	AC	AC	AC	AC	AC
Electrical auxiliaries	Auxiliary contact, Alarm contact , Shunt trip, Over/under voltage trip						
Catalogue page No.	21-24			25-30		31-36	

Products Overview of Circuit Breakers							
Product name	DC MCB	DPN MCB		HR MCB		ISOLATING SWITCH	
Product range	EPB-63M-DC	EP-DPN		EPB-125H		EPI-R	
Product picture							
Standard	IEC/EN 60947-2	IEC/EN 60898-1		IEC/EN 60898-1 IEC/EN 60947-2		IEC/EN 60947-3	
Number of poles	1,2,3,4	1P+N		1,2,3,4		1,2,3,4	
Electrical characteristics							
Rated current(A) In	1~63	2~32		40~125		16~100	
Rated voltage(V)	250-1000VDC	240VAC		240VAC	415VAC	240VAC 415VAC	
AC rated short-circuit capacity(kA)							
Breaking capacity (Icn/Icu) kA	6	3	4.5	6	IEC-60898-1	IEC-60947-2	-
					6	10	
Tripping curve	8-12In	B,C		B,C,D	8-12In	-	
Type	DC	AC		AC		AC	
Electrical auxiliaries	-	Auxiliary contact Alarm contact Shunt trip Over/under voltage trip		Auxiliary contact Alarm contact Shunt trip Over/under voltage trip		-	
Catalogue page No.	37-40	41-43		44-46		47-49	

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 415V 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 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



Economic MCB



EPB-63Me-1P



EPB-63Me-1P+N



EPB-63Me-2P

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

Economic MCB



EPB-63Me-3P



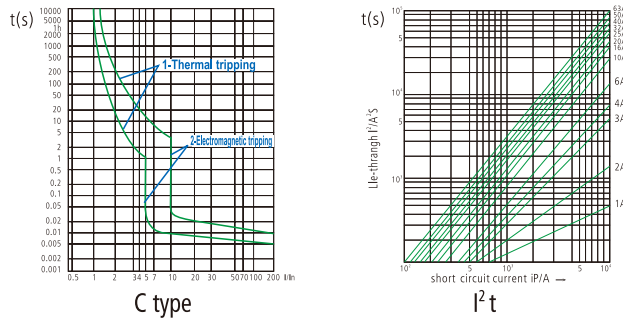
EPB-63Me-3P+N



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	1.13In	$t \leq 1$ h	Non-trip	
2	1-63	upon the previous test	1.45In	$t < 1$ h	trip	Setting current up to specified value steadily in 5S
3	$I_n \leq 32$	cold state	2.55In	$1s < t < 60s$	trip	
	$I_n > 32$	cold state	2.55In	$1s < t < 120s$	trip	
4	1-63	cold state	5In	$t \leq 0.1s$	Non-trip	C type
	1-63	cold state	10In	$t < 1.1s$	trip	C type

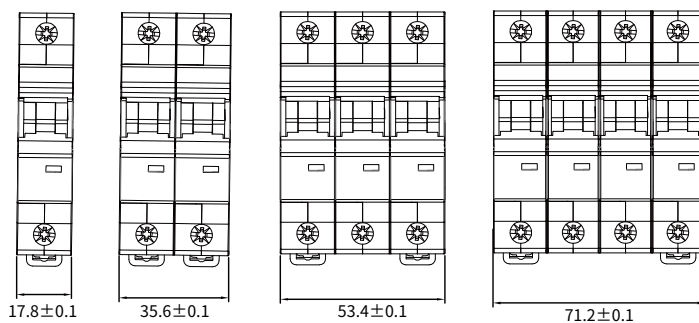
3. Endurance(operations)

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

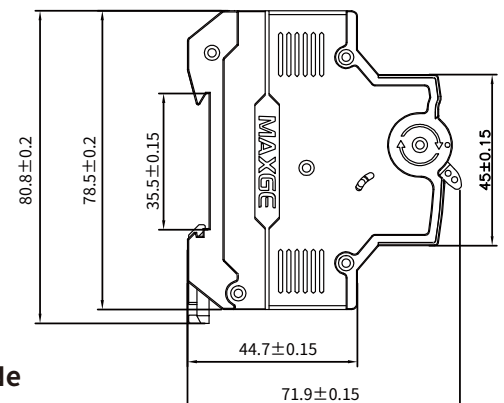
4.Features

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



EPB-63S/N Series Miniature Circuit Breaker

Technical data

Standard	EN/ IEC60898-1
Breaking capacity	3kA,4.5kA
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	AC: 1,2,3,4 Pole 230/400V Rated insulation voltage U _i : 500V Rated impulse withstand voltage U _{imp} : 4kV Energy limiting :class 1
Ambient temperature (°C)	-5~+40
Characteristic	Thermal operating limit: (1.13-1.45) x I _n Magnetic operating: B: (3-5) x I _n C: (5-10) x I _n D: (10-20) x I _n
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 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-63S MCB



EPB-63S-1P



EPB-63S-1P+N



EPB-63S-2P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63S/1-B0.5	EPB-63S/1-C0.5	EPB-63S/1-D0.5	12
1	EPB-63S/1-B1	EPB-63S/1-C1	EPB-63S/1-D1	12
2	EPB-63S/1-B2	EPB-63S/1-C2	EPB-63S/1-D2	12
3	EPB-63S/1-B3	EPB-63S/1-C3	EPB-63S/1-D3	12
4	EPB-63S/1-B4	EPB-63S/1-C4	EPB-63S/1-D4	12
6	EPB-63S/1-B6	EPB-63S/1-C6	EPB-63S/1-D6	12
10	EPB-63S/1-B10	EPB-63S/1-C10	EPB-63S/1-D10	12
13	EPB-63S/1-B13	EPB-63S/1-C13	EPB-63S/1-D13	12
16	EPB-63S/1-B16	EPB-63S/1-C16	EPB-63S/1-D16	12
20	EPB-63S/1-B20	EPB-63S/1-C20	EPB-63S/1-D20	12
25	EPB-63S/1-B25	EPB-63S/1-C25	EPB-63S/1-D25	12
32	EPB-63S/1-B32	EPB-63S/1-C32	EPB-63S/1-D32	12
40	EPB-63S/1-B40	EPB-63S/1-C40	EPB-63S/1-D40	12
50	EPB-63S/1-B50	EPB-63S/1-C50	EPB-63S/1-D50	12
63	EPB-63S/1-B63	EPB-63S/1-C63	EPB-63S/1-D63	12
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0.5	EPB-63S/1-B0.5N	EPB-63S/1-C0.5N	EPB-63S/1-D0.5N	6
1	EPB-63S/1-B1N	EPB-63S/1-C1N	EPB-63S/1-D1N	6
2	EPB-63S/1-B2N	EPB-63S/1-C2N	EPB-63S/1-D2N	6
3	EPB-63S/1-B3N	EPB-63S/1-C3N	EPB-63S/1-D3N	6
4	EPB-63S/1-B4N	EPB-63S/1-C4N	EPB-63S/1-D4N	6
6	EPB-63S/1-B6N	EPB-63S/1-C6N	EPB-63S/1-D6N	6
10	EPB-63S/1-B10N	EPB-63S/1-C10N	EPB-63S/1-D10N	6
13	EPB-63S/1-B13N	EPB-63S/1-C13N	EPB-63S/1-D13N	6
16	EPB-63S/1-B16N	EPB-63S/1-C16N	EPB-63S/1-D16N	6
20	EPB-63S/1-B20N	EPB-63S/1-C20N	EPB-63S/1-D20N	6
25	EPB-63S/1-B25N	EPB-63S/1-C25N	EPB-63S/1-D25N	6
32	EPB-63S/1-B32N	EPB-63S/1-C32N	EPB-63S/1-D32N	6
40	EPB-63S/1-B40N	EPB-63S/1-C40N	EPB-63S/1-D40N	6
50	EPB-63S/1-B50N	EPB-63S/1-C50N	EPB-63S/1-D50N	6
63	EPB-63S/1-B63N	EPB-63S/1-C63N	EPB-63S/1-D63N	6
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0.5	EPB-63S/2-B0.5	EPB-63S/2-C0.5	EPB-63S/2-D0.5	6
1	EPB-63S/2-B1	EPB-63S/2-C1	EPB-63S/2-D1	6
2	EPB-63S/2-B2	EPB-63S/2-C2	EPB-63S/2-D2	6
3	EPB-63S/2-B3	EPB-63S/2-C3	EPB-63S/2-D3	6
4	EPB-63S/2-B4	EPB-63S/2-C4	EPB-63S/2-D4	6
6	EPB-63S/2-B6	EPB-63S/2-C6	EPB-63S/2-D6	6
10	EPB-63S/2-B10	EPB-63S/2-C10	EPB-63S/2-D10	6
13	EPB-63S/2-B13	EPB-63S/2-C13	EPB-63S/2-D13	6
16	EPB-63S/2-B16	EPB-63S/2-C16	EPB-63S/2-D16	6
20	EPB-63S/2-B20	EPB-63S/2-C20	EPB-63S/2-D20	6
25	EPB-63S/2-B25	EPB-63S/2-C25	EPB-63S/2-D25	6
32	EPB-63S/2-B32	EPB-63S/2-C32	EPB-63S/2-D32	6
40	EPB-63S/2-B40	EPB-63S/2-C40	EPB-63S/2-D40	6
50	EPB-63S/2-B50	EPB-63S/2-C50	EPB-63S/2-D50	6
63	EPB-63S/2-B63	EPB-63S/2-C63	EPB-63S/2-D63	6

EPB-63S MCB



EPB-63S-3P



EPB-63S-3P+N



EPB-63S-4P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63S/3-B0.5	EPB-63S/3-C0.5	EPB-63S/3-D0.5	4
1	EPB-63S/3-B1	EPB-63S/3-C1	EPB-63S/3-D1	4
2	EPB-63S/3-B2	EPB-63S/3-C2	EPB-63S/3-D2	4
3	EPB-63S/3-B3	EPB-63S/3-C3	EPB-63S/3-D3	4
4	EPB-63S/3-B4	EPB-63S/3-C4	EPB-63S/3-D4	4
6	EPB-63S/3-B6	EPB-63S/3-C6	EPB-63S/3-D6	4
10	EPB-63S/3-B10	EPB-63S/3-C10	EPB-63S/3-D10	4
13	EPB-63S/3-B13	EPB-63S/3-C13	EPB-63S/3-D13	4
16	EPB-63S/3-B16	EPB-63S/3-C16	EPB-63S/3-D16	4
20	EPB-63S/3-B20	EPB-63S/3-C20	EPB-63S/3-D20	4
25	EPB-63S/3-B25	EPB-63S/3-C25	EPB-63S/3-D25	4
32	EPB-63S/3-B32	EPB-63S/3-C32	EPB-63S/3-D32	4
40	EPB-63S/3-B40	EPB-63S/3-C40	EPB-63S/3-D40	4
50	EPB-63S/3-B50	EPB-63S/3-C50	EPB-63S/3-D50	4
63	EPB-63S/3-B63	EPB-63S/3-C63	EPB-63S/3-D63	4
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0.5	EPB-63S/3-B0.5N	EPB-63S/3-C0.5N	EPB-63S/3-D0.5N	3
1	EPB-63S/3-B1N	EPB-63S/3-C1N	EPB-63S/3-D1N	3
2	EPB-63S/3-B2N	EPB-63S/3-C2N	EPB-63S/3-D2N	3
3	EPB-63S/3-B3N	EPB-63S/3-C3N	EPB-63S/3-D3N	3
4	EPB-63S/3-B4N	EPB-63S/3-C4N	EPB-63S/3-D4N	3
6	EPB-63S/3-B6N	EPB-63S/3-C6N	EPB-63S/3-D6N	3
10	EPB-63S/3-B10N	EPB-63S/3-C10N	EPB-63S/3-D10N	3
13	EPB-63S/3-B13N	EPB-63S/3-C13N	EPB-63S/3-D13N	3
16	EPB-63S/3-B16N	EPB-63S/3-C16N	EPB-63S/3-D16N	3
20	EPB-63S/3-B20N	EPB-63S/3-C20N	EPB-63S/3-D20N	3
25	EPB-63S/3-B25N	EPB-63S/3-C25N	EPB-63S/3-D25N	3
32	EPB-63S/3-B32N	EPB-63S/3-C32N	EPB-63S/3-D32N	3
40	EPB-63S/3-B40N	EPB-63S/3-C40N	EPB-63S/3-D40N	3
50	EPB-63S/3-B50N	EPB-63S/3-C50N	EPB-63S/3-D50N	3
63	EPB-63S/3-B63N	EPB-63S/3-C63N	EPB-63S/3-D63N	3
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0.5	EPB-63S/4-B0.5	EPB-63S/4-C0.5	EPB-63S/4-D0.5	3
1	EPB-63S/4-B1	EPB-63S/4-C1	EPB-63S/4-D1	3
2	EPB-63S/4-B2	EPB-63S/4-C2	EPB-63S/4-D2	3
3	EPB-63S/4-B3	EPB-63S/4-C3	EPB-63S/4-D3	3
4	EPB-63S/4-B4	EPB-63S/4-C4	EPB-63S/4-D4	3
6	EPB-63S/4-B6	EPB-63S/4-C6	EPB-63S/4-D6	3
10	EPB-63S/4-B10	EPB-63S/4-C10	EPB-63S/4-D10	3
13	EPB-63S/4-B13	EPB-63S/4-C13	EPB-63S/4-D13	3
16	EPB-63S/4-B16	EPB-63S/4-C16	EPB-63S/4-D16	3
20	EPB-63S/4-B20	EPB-63S/4-C20	EPB-63S/4-D20	3
25	EPB-63S/4-B25	EPB-63S/4-C25	EPB-63S/4-D25	3
32	EPB-63S/4-B32	EPB-63S/4-C32	EPB-63S/4-D32	3
40	EPB-63S/4-B40	EPB-63S/4-C40	EPB-63S/4-D40	3
50	EPB-63S/4-B50	EPB-63S/4-C50	EPB-63S/4-D50	3
63	EPB-63S/4-B63	EPB-63S/4-C63	EPB-63S/4-D63	3

EPB-63N MCB



EPB-63N-1P



EPB-63N-1P+N



EPB-63N-2P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63N/1-B0.5	EPB-63N/1-C0.5	EPB-63N/1-D0.5	12
1	EPB-63N/1-B1	EPB-63N/1-C1	EPB-63N/1-D1	12
2	EPB-63N/1-B2	EPB-63N/1-C2	EPB-63N/1-D2	12
3	EPB-63N/1-B3	EPB-63N/1-C3	EPB-63N/1-D3	12
4	EPB-63N/1-B4	EPB-63N/1-C4	EPB-63N/1-D4	12
6	EPB-63N/1-B6	EPB-63N/1-C6	EPB-63N/1-D6	12
10	EPB-63N/1-B10	EPB-63N/1-C10	EPB-63N/1-D10	12
13	EPB-63N/1-B13	EPB-63N/1-C13	EPB-63N/1-D13	12
16	EPB-63N/1-B16	EPB-63N/1-C16	EPB-63N/1-D16	12
20	EPB-63N/1-B20	EPB-63N/1-C20	EPB-63N/1-D20	12
25	EPB-63N/1-B25	EPB-63N/1-C25	EPB-63N/1-D25	12
32	EPB-63N/1-B32	EPB-63N/1-C32	EPB-63N/1-D32	12
40	EPB-63N/1-B40	EPB-63N/1-C40	EPB-63N/1-D40	12
50	EPB-63N/1-B50	EPB-63N/1-C50	EPB-63N/1-D50	12
63	EPB-63N/1-B63	EPB-63N/1-C63	EPB-63N/1-D63	12
0.5	EPB-63N/1-B0.5N	EPB-63N/1-C0.5N	EPB-63N/1-D0.5N	6
1	EPB-63N/1-B1N	EPB-63N/1-C1N	EPB-63N/1-D1N	6
2	EPB-63N/1-B2N	EPB-63N/1-C2N	EPB-63N/1-D2N	6
3	EPB-63N/1-B3N	EPB-63N/1-C3N	EPB-63N/1-D3N	6
4	EPB-63N/1-B4N	EPB-63N/1-C4N	EPB-63N/1-D4N	6
6	EPB-63N/1-B6N	EPB-63N/1-C6N	EPB-63N/1-D6N	6
10	EPB-63N/1-B10N	EPB-63N/1-C10N	EPB-63N/1-D10N	6
13	EPB-63N/1-B13N	EPB-63N/1-C13N	EPB-63N/1-D13N	6
16	EPB-63N/1-B16N	EPB-63N/1-C16N	EPB-63N/1-D16N	6
20	EPB-63N/1-B20N	EPB-63N/1-C20N	EPB-63N/1-D20N	6
25	EPB-63N/1-B25N	EPB-63N/1-C25N	EPB-63N/1-D25N	6
32	EPB-63N/1-B32N	EPB-63N/1-C32N	EPB-63N/1-D32N	6
40	EPB-63N/1-B40N	EPB-63N/1-C40N	EPB-63N/1-D40N	6
50	EPB-63N/1-B50N	EPB-63N/1-C50N	EPB-63N/1-D50N	6
63	EPB-63N/1-B63N	EPB-63N/1-C63N	EPB-63N/1-D63N	6
0.5	EPB-63N/2-B0.5	EPB-63N/2-C0.5	EPB-63N/2-D0.5	6
1	EPB-63N/2-B1	EPB-63N/2-C1	EPB-63N/2-D1	6
2	EPB-63N/2-B2	EPB-63N/2-C2	EPB-63N/2-D2	6
3	EPB-63N/2-B3	EPB-63N/2-C3	EPB-63N/2-D3	6
4	EPB-63N/2-B4	EPB-63N/2-C4	EPB-63N/2-D4	6
6	EPB-63N/2-B6	EPB-63N/2-C6	EPB-63N/2-D6	6
10	EPB-63N/2-B10	EPB-63N/2-C10	EPB-63N/2-D10	6
13	EPB-63N/2-B13	EPB-63N/2-C13	EPB-63N/2-D13	6
16	EPB-63N/2-B16	EPB-63N/2-C16	EPB-63N/2-D16	6
20	EPB-63N/2-B20	EPB-63N/2-C20	EPB-63N/2-D20	6
25	EPB-63N/2-B25	EPB-63N/2-C25	EPB-63N/2-D25	6
32	EPB-63N/2-B32	EPB-63N/2-C32	EPB-63N/2-D32	6
40	EPB-63N/2-B40	EPB-63N/2-C40	EPB-63N/2-D40	6
50	EPB-63N/2-B50	EPB-63N/2-C50	EPB-63N/2-D50	6
63	EPB-63N/2-B63	EPB-63N/2-C63	EPB-63N/2-D63	6

EPB-63N MCB



EPB-63N-3P



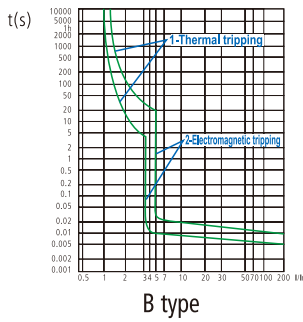
EPB-63N-3P+N



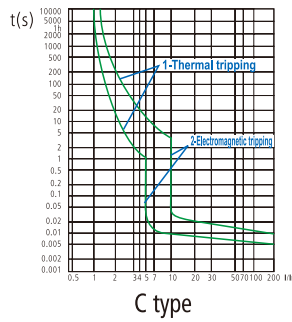
EPB-63N-4P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63N/3-B0.5	EPB-63N/3-C0.5	EPB-63N/3-D0.5	4
1	EPB-63N/3-B1	EPB-63N/3-C1	EPB-63N/3-D1	4
2	EPB-63N/3-B2	EPB-63N/3-C2	EPB-63N/3-D2	4
3	EPB-63N/3-B3	EPB-63N/3-C3	EPB-63N/3-D3	4
4	EPB-63N/3-B4	EPB-63N/3-C4	EPB-63N/3-D4	4
6	EPB-63N/3-B6	EPB-63N/3-C6	EPB-63N/3-D6	4
10	EPB-63N/3-B10	EPB-63N/3-C10	EPB-63N/3-D10	4
13	EPB-63N/3-B13	EPB-63N/3-C13	EPB-63N/3-D13	4
16	EPB-63N/3-B16	EPB-63N/3-C16	EPB-63N/3-D16	4
20	EPB-63N/3-B20	EPB-63N/3-C20	EPB-63N/3-D20	4
25	EPB-63N/3-B25	EPB-63N/3-C25	EPB-63N/3-D25	4
32	EPB-63N/3-B32	EPB-63N/3-C32	EPB-63N/3-D32	4
40	EPB-63N/3-B40	EPB-63N/3-C40	EPB-63N/3-D40	4
50	EPB-63N/3-B50	EPB-63N/3-C50	EPB-63N/3-D50	4
63	EPB-63N/3-B63	EPB-63N/3-C63	EPB-63N/3-D63	4
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0.5	EPB-63N/3-B0.5N	EPB-63N/3-C0.5N	EPB-63N/3-D0.5N	3
1	EPB-63N/3-B1N	EPB-63N/3-C1N	EPB-63N/3-D1N	3
2	EPB-63N/3-B2N	EPB-63N/3-C2N	EPB-63N/3-D2N	3
3	EPB-63N/3-B3N	EPB-63N/3-C3N	EPB-63N/3-D3N	3
4	EPB-63N/3-B4N	EPB-63N/3-C4N	EPB-63N/3-D4N	3
6	EPB-63N/3-B6N	EPB-63N/3-C6N	EPB-63N/3-D6N	3
10	EPB-63N/3-B10N	EPB-63N/3-C10N	EPB-63N/3-D10N	3
13	EPB-63N/3-B13N	EPB-63N/3-C13N	EPB-63N/3-D13N	3
16	EPB-63N/3-B16N	EPB-63N/3-C16N	EPB-63N/3-D16N	3
20	EPB-63N/3-B20N	EPB-63N/3-C20N	EPB-63N/3-D20N	3
25	EPB-63N/3-B25N	EPB-63N/3-C25N	EPB-63N/3-D25N	3
32	EPB-63N/3-B32N	EPB-63N/3-C32N	EPB-63N/3-D32N	3
40	EPB-63N/3-B40N	EPB-63N/3-C40N	EPB-63N/3-D40N	3
50	EPB-63N/3-B50N	EPB-63N/3-C50N	EPB-63N/3-D50N	3
63	EPB-63N/3-B63N	EPB-63N/3-C63N	EPB-63N/3-D63N	3
<hr/>				
0.5	EPB-63N/4-B0.5	EPB-63N/4-C0.5	EPB-63N/4-D0.5	3
1	EPB-63N/4-B1	EPB-63N/4-C1	EPB-63N/4-D1	3
2	EPB-63N/4-B2	EPB-63N/4-C2	EPB-63N/4-D2	3
3	EPB-63N/4-B3	EPB-63N/4-C3	EPB-63N/4-D3	3
4	EPB-63N/4-B4	EPB-63N/4-C4	EPB-63N/4-D4	3
6	EPB-63N/4-B6	EPB-63N/4-C6	EPB-63N/4-D6	3
10	EPB-63N/4-B10	EPB-63N/4-C10	EPB-63N/4-D10	3
13	EPB-63N/4-B13	EPB-63N/4-C13	EPB-63N/4-D13	3
16	EPB-63N/4-B16	EPB-63N/4-C16	EPB-63N/4-D16	3
20	EPB-63N/4-B20	EPB-63N/4-C20	EPB-63N/4-D20	3
25	EPB-63N/4-B25	EPB-63N/4-C25	EPB-63N/4-D25	3
32	EPB-63N/4-B32	EPB-63N/4-C32	EPB-63N/4-D32	3
40	EPB-63N/4-B40	EPB-63N/4-C40	EPB-63N/4-D40	3
50	EPB-63N/4-B50	EPB-63N/4-C50	EPB-63N/4-D50	3
63	EPB-63N/4-B63	EPB-63N/4-C63	EPB-63N/4-D63	3

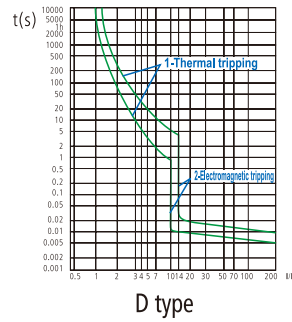
1. Curves



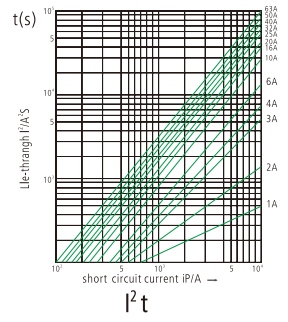
B type



C type



D type



I²t

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	3I _n	t ≤ 0.1s	Non-trip	B type
	1-63	cold state	5I _n	t < 1.1s	trip	B type
	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
	1-63	cold state	10I _n	t ≤ 0.1s	Non-trip	D type
	1-63	cold state	20I _n	t < 1.1s	trip	D type

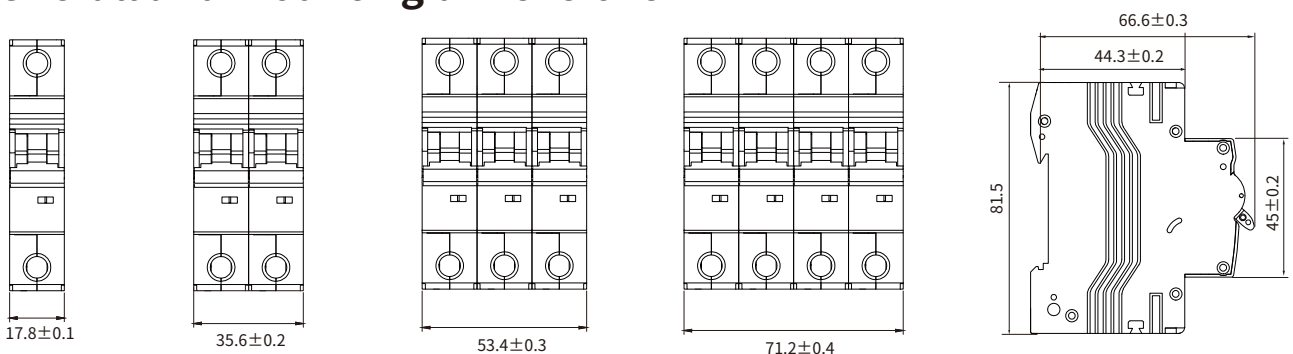
3. Endurance(operations)

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-63S/EPB-63N

EPB-63M/H Series Miniature Circuit Breaker

Technical data

Standard	EN/ IEC60898-1
Breaking capacity	6kA, 10kA
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	AC: 1,2,3,4 pole 230/400V Rated insulation voltage U _i : 500V Rated impulse withstand voltage U _{imp} : 4kV Energy limiting :class 3
Ambient temperature (°C)	-5~+40
Characteristic	Thermal operating limit: (1.13-1.45) x I _n Magnetic operating: B: (3-5) x I _n C:(5-10) x I _n D: (10-20) x I _n
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 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 MCB



EPB-63M-1P



EPB-63M-1P+N



EPB-63M-2P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63M/1-B0.5	EPB-63M/1-C0.5	EPB-63M/1-D0.5	12
1	EPB-63M/1-B1	EPB-63M/1-C1	EPB-63M/1-D1	12
2	EPB-63M/1-B2	EPB-63M/1-C2	EPB-63M/1-D2	12
3	EPB-63M/1-B3	EPB-63M/1-C3	EPB-63M/1-D3	12
4	EPB-63M/1-B4	EPB-63M/1-C4	EPB-63M/1-D4	12
6	EPB-63M/1-B6	EPB-63M/1-C6	EPB-63M/1-D6	12
10	EPB-63M/1-B10	EPB-63M/1-C10	EPB-63M/1-D10	12
13	EPB-63M/1-B13	EPB-63M/1-C13	EPB-63M/1-D13	12
16	EPB-63M/1-B16	EPB-63M/1-C16	EPB-63M/1-D16	12
20	EPB-63M/1-B20	EPB-63M/1-C20	EPB-63M/1-D20	12
25	EPB-63M/1-B25	EPB-63M/1-C25	EPB-63M/1-D25	12
32	EPB-63M/1-B32	EPB-63M/1-C32	EPB-63M/1-D32	12
40	EPB-63M/1-B40	EPB-63M/1-C40	EPB-63M/1-D40	12
50	EPB-63M/1-B50	EPB-63M/1-C50	EPB-63M/1-D50	12
63	EPB-63M/1-B63	EPB-63M/1-C63	EPB-63M/1-D63	12
0.5	EPB-63M/1-B0.5N	EPB-63M/1-C0.5N	EPB-63M/1-D0.5N	6
1	EPB-63M/1-B1N	EPB-63M/1-C1N	EPB-63M/1-D1N	6
2	EPB-63M/1-B2N	EPB-63M/1-C2N	EPB-63M/1-D2N	6
3	EPB-63M/1-B3N	EPB-63M/1-C3N	EPB-63M/1-D3N	6
4	EPB-63M/1-B4N	EPB-63M/1-C4N	EPB-63M/1-D4N	6
6	EPB-63M/1-B6N	EPB-63M/1-C6N	EPB-63M/1-D6N	6
10	EPB-63M/1-B10N	EPB-63M/1-C10N	EPB-63M/1-D10N	6
13	EPB-63M/1-B13N	EPB-63M/1-C13N	EPB-63M/1-D13N	6
16	EPB-63M/1-B16N	EPB-63M/1-C16N	EPB-63M/1-D16N	6
20	EPB-63M/1-B20N	EPB-63M/1-C20N	EPB-63M/1-D20N	6
25	EPB-63M/1-B25N	EPB-63M/1-C25N	EPB-63M/1-D25N	6
32	EPB-63M/1-B32N	EPB-63M/1-C32N	EPB-63M/1-D32N	6
40	EPB-63M/1-B40N	EPB-63M/1-C40N	EPB-63M/1-D40N	6
50	EPB-63M/1-B50N	EPB-63M/1-C50N	EPB-63M/1-D50N	6
63	EPB-63M/1-B63N	EPB-63M/1-C63N	EPB-63M/1-D63N	6
0.5	EPB-63M/2-B0.5	EPB-63M/2-C0.5	EPB-63M/2-D0.5	6
1	EPB-63M/2-B1	EPB-63M/2-C1	EPB-63M/2-D1	6
2	EPB-63M/2-B2	EPB-63M/2-C2	EPB-63M/2-D2	6
3	EPB-63M/2-B3	EPB-63M/2-C3	EPB-63M/2-D3	6
4	EPB-63M/2-B4	EPB-63M/2-C4	EPB-63M/2-D4	6
6	EPB-63M/2-B6	EPB-63M/2-C6	EPB-63M/2-D6	6
10	EPB-63M/2-B10	EPB-63M/2-C10	EPB-63M/2-D10	6
13	EPB-63M/2-B13	EPB-63M/2-C13	EPB-63M/2-D13	6
16	EPB-63M/2-B16	EPB-63M/2-C16	EPB-63M/2-D16	6
20	EPB-63M/2-B20	EPB-63M/2-C20	EPB-63M/2-D20	6
25	EPB-63M/2-B25	EPB-63M/2-C25	EPB-63M/2-D25	6
32	EPB-63M/2-B32	EPB-63M/2-C32	EPB-63M/2-D32	6
40	EPB-63M/2-B40	EPB-63M/2-C40	EPB-63M/2-D40	6
50	EPB-63M/2-B50	EPB-63M/2-C50	EPB-63M/2-D50	6
63	EPB-63M/2-B63	EPB-63M/2-C63	EPB-63M/2-D63	6

EPB-63M MCB



EPB-63M-3P



EPB-63M-3P+N



EPB-63M-4P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63M/3-B0.5	EPB-63M/3-C0.5	EPB-63M/3-D0.5	4
1	EPB-63M/3-B1	EPB-63M/3-C1	EPB-63M/3-D1	4
2	EPB-63M/3-B2	EPB-63M/3-C2	EPB-63M/3-D2	4
3	EPB-63M/3-B3	EPB-63M/3-C3	EPB-63M/3-D3	4
4	EPB-63M/3-B4	EPB-63M/3-C4	EPB-63M/3-D4	4
6	EPB-63M/3-B6	EPB-63M/3-C6	EPB-63M/3-D6	4
10	EPB-63M/3-B10	EPB-63M/3-C10	EPB-63M/3-D10	4
13	EPB-63M/3-B13	EPB-63M/3-C13	EPB-63M/3-D13	4
16	EPB-63M/3-B16	EPB-63M/3-C16	EPB-63M/3-D16	4
20	EPB-63M/3-B20	EPB-63M/3-C20	EPB-63M/3-D20	4
25	EPB-63M/3-B25	EPB-63M/3-C25	EPB-63M/3-D25	4
32	EPB-63M/3-B32	EPB-63M/3-C32	EPB-63M/3-D32	4
40	EPB-63M/3-B40	EPB-63M/3-C40	EPB-63M/3-D40	4
50	EPB-63M/3-B50	EPB-63M/3-C50	EPB-63M/3-D50	4
63	EPB-63M/3-B63	EPB-63M/3-C63	EPB-63M/3-D63	4
0.5	EPB-63M/3-B0.5N	EPB-63M/3-C0.5N	EPB-63M/3-D0.5N	3
1	EPB-63M/3-B1N	EPB-63M/3-C1N	EPB-63M/3-D1N	3
2	EPB-63M/3-B2N	EPB-63M/3-C2N	EPB-63M/3-D2N	3
3	EPB-63M/3-B3N	EPB-63M/3-C3N	EPB-63M/3-D3N	3
4	EPB-63M/3-B4N	EPB-63M/3-C4N	EPB-63M/3-D4N	3
6	EPB-63M/3-B6N	EPB-63M/3-C6N	EPB-63M/3-D6N	3
10	EPB-63M/3-B10N	EPB-63M/3-C10N	EPB-63M/3-D10N	3
13	EPB-63M/3-B13N	EPB-63M/3-C13N	EPB-63M/3-D13N	3
16	EPB-63M/3-B16N	EPB-63M/3-C16N	EPB-63M/3-D16N	3
20	EPB-63M/3-B20N	EPB-63M/3-C20N	EPB-63M/3-D20N	3
25	EPB-63M/3-B25N	EPB-63M/3-C25N	EPB-63M/3-D25N	3
32	EPB-63M/3-B32N	EPB-63M/3-C32N	EPB-63M/3-D32N	3
40	EPB-63M/3-B40N	EPB-63M/3-C40N	EPB-63M/3-D40N	3
50	EPB-63M/3-B50N	EPB-63M/3-C50N	EPB-63M/3-D50N	3
63	EPB-63M/3-B63N	EPB-63M/3-C63N	EPB-63M/3-D63N	3
0.5	EPB-63M/4-B0.5	EPB-63M/4-C0.5	EPB-63M/4-D0.5	3
1	EPB-63M/4-B1	EPB-63M/4-C1	EPB-63M/4-D1	3
2	EPB-63M/4-B2	EPB-63M/4-C2	EPB-63M/4-D2	3
3	EPB-63M/4-B3	EPB-63M/4-C3	EPB-63M/4-D3	3
4	EPB-63M/4-B4	EPB-63M/4-C4	EPB-63M/4-D4	3
6	EPB-63M/4-B6	EPB-63M/4-C6	EPB-63M/4-D6	3
10	EPB-63M/4-B10	EPB-63M/4-C10	EPB-63M/4-D10	3
13	EPB-63M/4-B13	EPB-63M/4-C13	EPB-63M/4-D13	3
16	EPB-63M/4-B16	EPB-63M/4-C16	EPB-63M/4-D16	3
20	EPB-63M/4-B20	EPB-63M/4-C20	EPB-63M/4-D20	3
25	EPB-63M/4-B25	EPB-63M/4-C25	EPB-63M/4-D25	3
32	EPB-63M/4-B32	EPB-63M/4-C32	EPB-63M/4-D32	3
40	EPB-63M/4-B40	EPB-63M/4-C40	EPB-63M/4-D40	3
50	EPB-63M/4-B50	EPB-63M/4-C50	EPB-63M/4-D50	3
63	EPB-63M/4-B63	EPB-63M/4-C63	EPB-63M/4-D63	3

EPB-63H MCB



EPB-63H-1P



EPB-63H-1P+N



EPB-63H-2P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63H/1-B0.5	EPB-63H/1-C0.5	EPB-63H/1-D0.5	12
1	EPB-63H/1-B1	EPB-63H/1-C1	EPB-63H/1-D1	12
2	EPB-63H/1-B2	EPB-63H/1-C2	EPB-63H/1-D2	12
3	EPB-63H/1-B3	EPB-63H/1-C3	EPB-63H/1-D3	12
4	EPB-63H/1-B4	EPB-63H/1-C4	EPB-63H/1-D4	12
6	EPB-63H/1-B6	EPB-63H/1-C6	EPB-63H/1-D6	12
10	EPB-63H/1-B10	EPB-63H/1-C10	EPB-63H/1-D10	12
13	EPB-63H/1-B13	EPB-63H/1-C13	EPB-63H/1-D13	12
16	EPB-63H/1-B16	EPB-63H/1-C16	EPB-63H/1-D16	12
20	EPB-63H/1-B20	EPB-63H/1-C20	EPB-63H/1-D20	12
25	EPB-63H/1-B25	EPB-63H/1-C25	EPB-63H/1-D25	12
32	EPB-63H/1-B32	EPB-63H/1-C32	EPB-63H/1-D32	12
40	EPB-63H/1-B40	EPB-63H/1-C40	EPB-63H/1-D40	12
50	EPB-63H/1-B50	EPB-63H/1-C50	EPB-63H/1-D50	12
63	EPB-63H/1-B63	EPB-63H/1-C63	EPB-63H/1-D63	12
0.5	EPB-63H/1-B0.5N	EPB-63H/1-C0.5N	EPB-63H/1-D0.5N	6
1	EPB-63H/1-B1N	EPB-63H/1-C1N	EPB-63H/1-D1N	6
2	EPB-63H/1-B2N	EPB-63H/1-C2N	EPB-63H/1-D2N	6
3	EPB-63H/1-B3N	EPB-63H/1-C3N	EPB-63H/1-D3N	6
4	EPB-63H/1-B4N	EPB-63H/1-C4N	EPB-63H/1-D4N	6
6	EPB-63H/1-B6N	EPB-63H/1-C6N	EPB-63H/1-D6N	6
10	EPB-63H/1-B10N	EPB-63H/1-C10N	EPB-63H/1-D10N	6
13	EPB-63H/1-B13N	EPB-63H/1-C13N	EPB-63H/1-D13N	6
16	EPB-63H/1-B16N	EPB-63H/1-C16N	EPB-63H/1-D16N	6
20	EPB-63H/1-B20N	EPB-63H/1-C20N	EPB-63H/1-D20N	6
25	EPB-63H/1-B25N	EPB-63H/1-C25N	EPB-63H/1-D25N	6
32	EPB-63H/1-B32N	EPB-63H/1-C32N	EPB-63H/1-D32N	6
40	EPB-63H/1-B40N	EPB-63H/1-C40N	EPB-63H/1-D40N	6
50	EPB-63H/1-B50N	EPB-63H/1-C50N	EPB-63H/1-D50N	6
63	EPB-63H/1-B63N	EPB-63H/1-C63N	EPB-63H/1-D63N	6
0.5	EPB-63H/2-B0.5	EPB-63H/2-C0.5	EPB-63H/2-D0.5	6
1	EPB-63H/2-B1	EPB-63H/2-C1	EPB-63H/2-D1	6
2	EPB-63H/2-B2	EPB-63H/2-C2	EPB-63H/2-D2	6
3	EPB-63H/2-B3	EPB-63H/2-C3	EPB-63H/2-D3	6
4	EPB-63H/2-B4	EPB-63H/2-C4	EPB-63H/2-D4	6
6	EPB-63H/2-B6	EPB-63H/2-C6	EPB-63H/2-D6	6
10	EPB-63H/2-B10	EPB-63H/2-C10	EPB-63H/2-D10	6
13	EPB-63H/2-B13	EPB-63H/2-C13	EPB-63H/2-D13	6
16	EPB-63H/2-B16	EPB-63H/2-C16	EPB-63H/2-D16	6
20	EPB-63H/2-B20	EPB-63H/2-C20	EPB-63H/2-D20	6
25	EPB-63H/2-B25	EPB-63H/2-C25	EPB-63H/2-D25	6
32	EPB-63H/2-B32	EPB-63H/2-C32	EPB-63H/2-D32	6
40	EPB-63H/2-B40	EPB-63H/2-C40	EPB-63H/2-D40	6
50	EPB-63H/2-B50	EPB-63H/2-C50	EPB-63H/2-D50	6
63	EPB-63H/2-B63	EPB-63H/2-C63	EPB-63H/2-D63	6

EPB-63H MCB



EPB-63H-3P



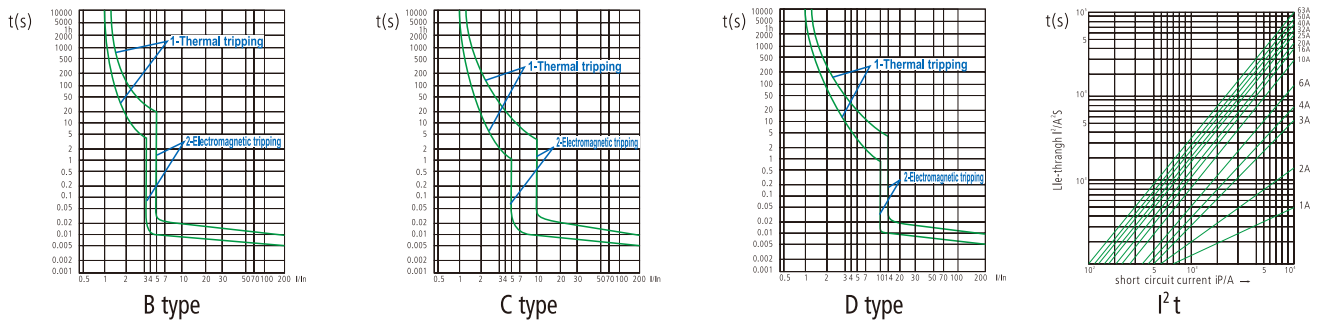
EPB-63H-3P+N



EPB-63H-4P

Rated current(A)	B curve	C curve	D curve	Packing unit
0.5	EPB-63H/3-B0.5	EPB-63H/3-C0.5	EPB-63H/3-D0.5	4
1	EPB-63H/3-B1	EPB-63H/3-C1	EPB-63H/3-D1	4
2	EPB-63H/3-B2	EPB-63H/3-C2	EPB-63H/3-D2	4
3	EPB-63H/3-B3	EPB-63H/3-C3	EPB-63H/3-D3	4
4	EPB-63H/3-B4	EPB-63H/3-C4	EPB-63H/3-D4	4
6	EPB-63H/3-B6	EPB-63H/3-C6	EPB-63H/3-D6	4
10	EPB-63H/3-B10	EPB-63H/3-C10	EPB-63H/3-D10	4
13	EPB-63H/3-B13	EPB-63H/3-C13	EPB-63H/3-D13	4
16	EPB-63H/3-B16	EPB-63H/3-C16	EPB-63H/3-D16	4
20	EPB-63H/3-B20	EPB-63H/3-C20	EPB-63H/3-D20	4
25	EPB-63H/3-B25	EPB-63H/3-C25	EPB-63H/3-D25	4
32	EPB-63H/3-B32	EPB-63H/3-C32	EPB-63H/3-D32	4
40	EPB-63H/3-B40	EPB-63H/3-C40	EPB-63H/3-D40	4
50	EPB-63H/3-B50	EPB-63H/3-C50	EPB-63H/3-D50	4
63	EPB-63H/3-B63	EPB-63H/3-C63	EPB-63H/3-D63	4
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0.5	EPB-63H/3-B0.5N	EPB-63H/3-C0.5N	EPB-63H/3-D0.5N	3
1	EPB-63H/3-B1N	EPB-63H/3-C1N	EPB-63H/3-D1N	3
2	EPB-63H/3-B2N	EPB-63H/3-C2N	EPB-63H/3-D2N	3
3	EPB-63H/3-B3N	EPB-63H/3-C3N	EPB-63H/3-D3N	3
4	EPB-63H/3-B4N	EPB-63H/3-C4N	EPB-63H/3-D4N	3
6	EPB-63H/3-B6N	EPB-63H/3-C6N	EPB-63H/3-D6N	3
10	EPB-63H/3-B10N	EPB-63H/3-C10N	EPB-63H/3-D10N	3
13	EPB-63H/3-B13N	EPB-63H/3-C13N	EPB-63H/3-D13N	3
16	EPB-63H/3-B16N	EPB-63H/3-C16N	EPB-63H/3-D16N	3
20	EPB-63H/3-B20N	EPB-63H/3-C20N	EPB-63H/3-D20N	3
25	EPB-63H/3-B25N	EPB-63H/3-C25N	EPB-63H/3-D25N	3
32	EPB-63H/3-B32N	EPB-63H/3-C32N	EPB-63H/3-D32N	3
40	EPB-63H/3-B40N	EPB-63H/3-C40N	EPB-63H/3-D40N	3
50	EPB-63H/3-B50N	EPB-63H/3-C50N	EPB-63H/3-D50N	3
63	EPB-63H/3-B63N	EPB-63H/3-C63N	EPB-63H/3-D63N	3
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0.5	EPB-63H/4-B0.5	EPB-63H/4-C0.5	EPB-63H/4-D0.5	3
1	EPB-63H/4-B1	EPB-63H/4-C1	EPB-63H/4-D1	3
2	EPB-63H/4-B2	EPB-63H/4-C2	EPB-63H/4-D2	3
3	EPB-63H/4-B3	EPB-63H/4-C3	EPB-63H/4-D3	3
4	EPB-63H/4-B4	EPB-63H/4-C4	EPB-63H/4-D4	3
6	EPB-63H/4-B6	EPB-63H/4-C6	EPB-63H/4-D6	3
10	EPB-63H/4-B10	EPB-63H/4-C10	EPB-63H/4-D10	3
13	EPB-63H/4-B13	EPB-63H/4-C13	EPB-63H/4-D13	3
16	EPB-63H/4-B16	EPB-63H/4-C16	EPB-63H/4-D16	3
20	EPB-63H/4-B20	EPB-63H/4-C20	EPB-63H/4-D20	3
25	EPB-63H/4-B25	EPB-63H/4-C25	EPB-63H/4-D25	3
32	EPB-63H/4-B32	EPB-63H/4-C32	EPB-63H/4-D32	3
40	EPB-63H/4-B40	EPB-63H/4-C40	EPB-63H/4-D40	3
50	EPB-63H/4-B50	EPB-63H/4-C50	EPB-63H/4-D50	3
63	EPB-63H/4-B63	EPB-63H/4-C63	EPB-63H/4-D63	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	1.13In	$t \leq 1$ h	Non-trip	
2	1-63	upon the previous test	1.45In	$t < 1$ h	trip	Setting current up to specified value steadily in 5S
3	$I_n \leq 32$	cold state	2.55In	$1s < t < 60s$	trip	
	$I_n > 32$	cold state	2.55In	$1s < t < 120s$	trip	
4	1-63	cold state	3In	$t \leq 0.1s$	Non-trip	B type
	1-63	cold state	5In	$t < 1.1s$	trip	B type
	1-63	cold state	5In	$t \leq 0.1s$	Non-trip	C type
	1-63	cold state	10In	$t < 1.1s$	trip	C type
	1-63	cold state	10In	$t \leq 0.1s$	Non-trip	D type
	1-63	cold state	20In	$t < 1.1s$	trip	D type

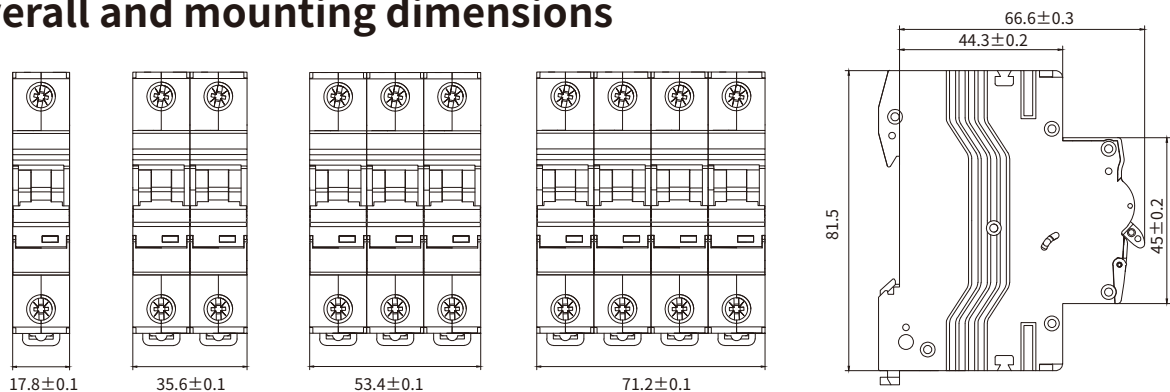
3. Endurance(operations)

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-63M/EPB-63H

EPB-63M-DC Series Miniature Circuit Breaker

Technical data

Standard	EN/IEC60947-2
Breaking capacity	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	DC: Rated voltage Ue(VDC): 1P 250 3P 750 2P 500 4P 1000 Operational volatge(VDC): Min.:12 Max.:1P 250 2P 500
Ambient temperature (°C)	-5~+40
Characteristic	Thermal operating limit: (1.05-1.30) x In Magnetic operating: (8-12) x In
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



CB



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
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
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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	Rated current(A)	DC type	Packing unit
 <p>EPB-63M-DC-3P</p>	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
	 <p>EPB-63M-DC-4P</p>	1	EPB-63M/4-DC1
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	1.05In	$t \leq 1$ h	Non-trip	
2	1-63	upon the previous test	1.30In	$t < 1$ h	trip	Setting current up to specified value steadily in 5S
3	$I_n \leq 32$	cold state	2.55In	$1s < t < 60s$	trip	
	$I_n > 32$	cold state	2.55In	$1s < t < 120s$	trip	
4	1-63	cold state	8In	$t \leq 0.1s$	Non-trip	C type
	1-63	cold state	12In	$t < 1.1s$	trip	C type

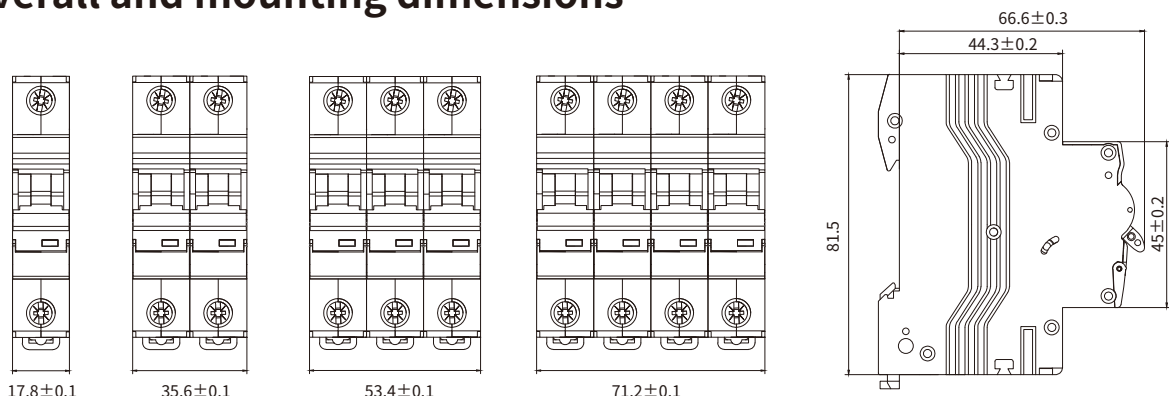
2. Endurance(operations)

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

EP-DPN Series “Phase+Neutral” Circuit Breaker

Technical data

Standard	EN/ IEC60898-1
Breaking capacity	3kA, 4.5kA, 6kA
Protection	Overload and short circuit
Rated insulation voltage U_i	500V
Rated impulse withstand voltage U_{imp}	4kV
Rated current I_n	2, 4, 6, 10, 13, 16, 20, 25, 32A
Rated voltage	240VAC
Characteristic	B, C Curve
Number of poles	1P+N
Type of trip	Thermal / magnetic release
Type of terminal	Pin type
Terminal capacity	1-10mm ² wire
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole
Electrical endurance	4000
Mechanical endurance	10000
Altitude	≤2000m
Relative humidity	+20°C, ≤95%, ±40°C, ≤50%



EP-DPN3K



EP-DPN4.5K



EP-DPN6K

EP-DPN MCB



EP-DPN3K



EP-DPN4.5K



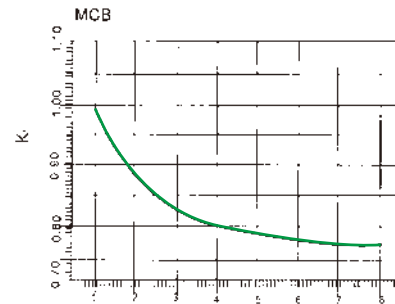
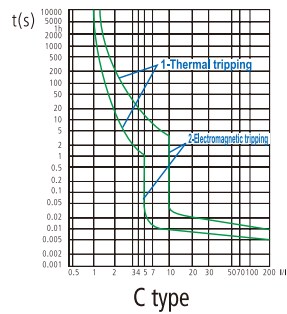
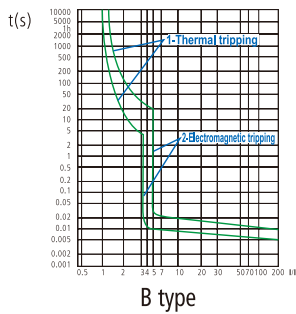
EP-DPN6K

Rated current(A)	B curve	C curve	Packing unit
2	EP-DPN3K-B2	EP-DPN3K-C2	12
4	EP-DPN3K-B4	EP-DPN3K-C4	12
6	EP-DPN3K-B6	EP-DPN3K-C6	12
10	EP-DPN3K-B10	EP-DPN3K-C10	12
13	EP-DPN3K-B13	EP-DPN3K-C13	12
16	EP-DPN3K-B16	EP-DPN3K-C16	12
20	EP-DPN3K-B20	EP-DPN3K-C20	12
25	EP-DPN3K-B25	EP-DPN3K-C25	12
32	EP-DPN3K-B32	EP-DPN3K-C32	12

2	EP-DPN4.5K-B2	EP-DPN4.5K-C2	12
4	EP-DPN4.5K-B4	EP-DPN4.5K-C4	12
6	EP-DPN4.5K-B6	EP-DPN4.5K-C6	12
10	EP-DPN4.5K-B10	EP-DPN4.5K-C10	12
13	EP-DPN4.5K-B13	EP-DPN4.5K-C13	12
16	EP-DPN4.5K-B16	EP-DPN4.5K-C16	12
20	EP-DPN4.5K-B20	EP-DPN4.5K-C20	12
25	EP-DPN4.5K-B25	EP-DPN4.5K-C25	12
32	EP-DPN4.5K-B32	EP-DPN4.5K-C32	12

2	EP-DPN6K-B2	EP-DPN6K-C2	12
4	EP-DPN6K-B4	EP-DPN6K-C4	12
6	EP-DPN6K-B6	EP-DPN6K-C6	12
10	EP-DPN6K-B10	EP-DPN6K-C10	12
13	EP-DPN6K-B13	EP-DPN6K-C13	12
16	EP-DPN6K-B16	EP-DPN6K-C16	12
20	EP-DPN6K-B20	EP-DPN6K-C20	12
25	EP-DPN6K-B25	EP-DPN6K-C25	12
32	EP-DPN6K-B32	EP-DPN6K-C32	12

1. Curves



2. Please refer to table below for temperature compensation correction

Rated current (A)	Temperature compensation coefficient under various operational temperature							
	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
1	1.17	1.13	1.09	1.04	1	0.96	0.91	0.84
2	1.17	1.13	1.09	1.04	2	0.96	0.91	0.84
4	1.17	1.13	1.09	1.04	4	0.96	0.91	0.84
6	1.17	1.13	1.09	1.04	6	0.96	0.91	0.84
10	1.21	1.16	1.09	1.04	10	0.94	0.88	0.82
16	1.18	1.13	1.09	1.04	16	0.94	0.91	0.84
20	1.17	1.13	1.09	1.04	20	0.96	0.91	0.84
25	1.18	1.13	1.09	1.04	25	0.96	0.91	0.84
32	1.17	1.13	1.09	1.04	32	0.96	0.91	0.84

3. Wiring

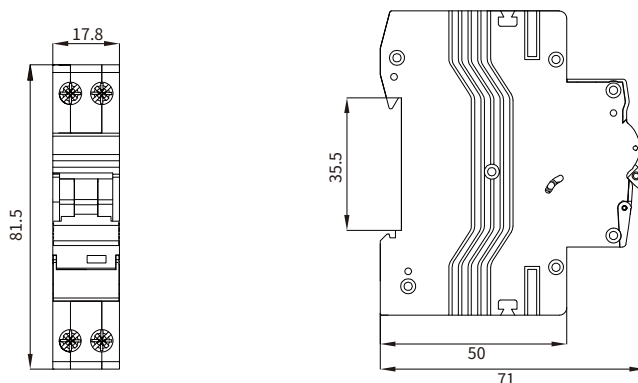
The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Nominal cross section area s(mm ²)	Tightening torque (N.m)
≤6	1	1.2
10	1.5	1.2
16~20	2.5	1.2
25	4	1.2
32	6	1.2

4. Features

- Compact design and cost-effective;
- Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties; Potential electric shock is avoided thanks to neutral-line being directly connected to the product;
- Convenient and time-saving mounting

5. Overall and mounting dimensions



EP-DPN

EPB-125H 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	40, 50, 63, 80, 100, 125A	
Rated voltage	1 pole 240V AC 50/60Hz 2,3,4pole 415V AC 50/60Hz	
	IEC60898-1	IEC60947-2
Characteristic	Thermal operating limit: (1.13-1.45)xI _n (1.05-1.30)xI _n Magnetic operating: B: (3-5)xI _n (8-12)xI _n C: (5-10)xI _n D: (10-20)xI _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 ² Rigid cables: 1 to 50mm ²	
Installation	Mounting on 35mm DIN rail	
Width	27mm per pole	







Intertek

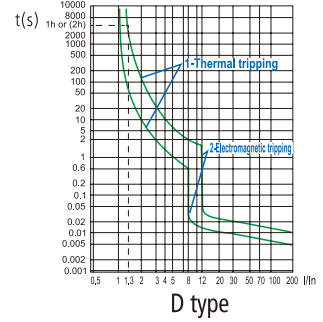
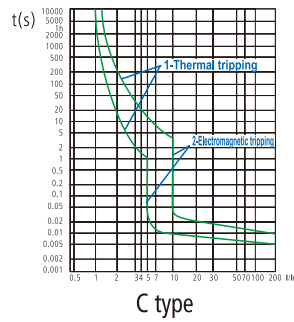
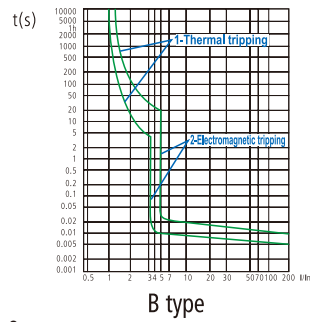
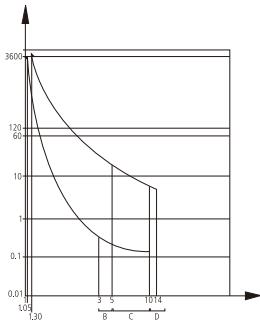
CE CB



EPB-125H

EPB-125H MCB	Rated current(A)	IEC60898-1			IEC60947-2	Packing unit
		B curve	C curve	D curve		
 <p>1P</p>	40	EPB-125H/1-B40	EPB-125H/1-C40	EPB-125H/1-D40	EPB-125H/1-40	12
	50	EPB-125H/1-B50	EPB-125H/1-C50	EPB-125H/1-D50	EPB-125H/1-50	12
	63	EPB-125H/1-B63	EPB-125H/1-C63	EPB-125H/1-D63	EPB-125H/1-63	12
	80	EPB-125H/1-B80	EPB-125H/1-C80	EPB-125H/1-D80	EPB-125H/1-80	12
	100	EPB-125H/1-B100	EPB-125H/1-C100	EPB-125H/1-D100	EPB-125H/1-100	12
	125	EPB-125H/1-B125	EPB-125H/1-C125	EPB-125H/1-D125	EPB-125H/1-125	12
 <p>2P</p>	40	EPB-125H/2-B40	EPB-125H/2-C40	EPB-125H/2-D40	EPB-125H/2-40	6
	50	EPB-125H/2-B50	EPB-125H/2-C50	EPB-125H/2-D50	EPB-125H/2-50	6
	63	EPB-125H/2-B63	EPB-125H/2-C63	EPB-125H/2-D63	EPB-125H/2-63	6
	80	EPB-125H/2-B80	EPB-125H/2-C80	EPB-125H/2-D80	EPB-125H/2-80	6
	100	EPB-125H/2-B100	EPB-125H/2-C100	EPB-125H/2-D100	EPB-125H/2-100	6
	125	EPB-125H/2-B125	EPB-125H/2-C125	EPB-125H/2-D125	EPB-125H/2-125	6
 <p>3P</p>	40	EPB-125H/3-B40	EPB-125H/3-C40	EPB-125H/3-D40	EPB-125H/3-40	4
	50	EPB-125H/3-B50	EPB-125H/3-C50	EPB-125H/3-D50	EPB-125H/3-50	4
	63	EPB-125H/3-B63	EPB-125H/3-C63	EPB-125H/3-D63	EPB-125H/3-63	4
	80	EPB-125H/3-B80	EPB-125H/3-C80	EPB-125H/3-D80	EPB-125H/3-80	4
	100	EPB-125H/3-B100	EPB-125H/3-C100	EPB-125H/3-D100	EPB-125H/3-100	4
	125	EPB-125H/3-B125	EPB-125H/3-C125	EPB-125H/3-D125	EPB-125H/3-125	4
 <p>4P</p>	40	EPB-125H/4-B40	EPB-125H/4-C40	EPB-125H/4-D40	EPB-125H/4-40	3
	50	EPB-125H/4-B50	EPB-125H/4-C50	EPB-125H/4-D50	EPB-125H/4-50	3
	63	EPB-125H/4-B63	EPB-125H/4-C63	EPB-125H/4-D63	EPB-125H/4-63	3
	80	EPB-125H/4-B80	EPB-125H/4-C80	EPB-125H/4-D80	EPB-125H/4-80	3
	100	EPB-125H/4-B100	EPB-125H/4-C100	EPB-125H/4-D100	EPB-125H/4-100	3
	125	EPB-125H/4-B125	EPB-125H/4-C125	EPB-125H/4-D125	EPB-125H/4-125	3

1. Curves



2. Breaking capacity

Type	Voltage	Breaking capacity Icn(A)	Standard
1P	230/240	10000	
2P,3P,4P	230/240	10000	IEC60947-2
	400/415	10000	

3. Wiring

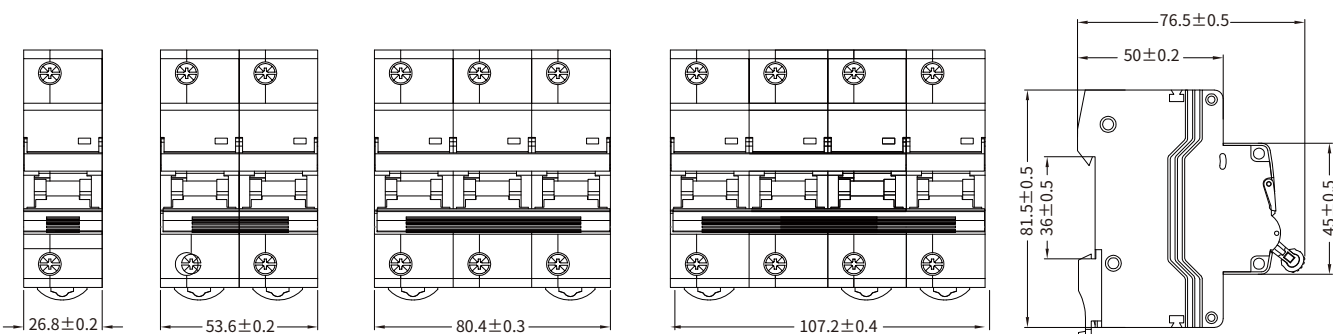
The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Nominal cross section area s (mm ²)	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



EPB-125H

EPI-R Series Isolating Switch

Technical data

Standard	EN/IEC60947-3
Number of poles	1P,2P,3P,4P
Rated currents	16,20,25,32,40,50,63,80,100A
Rated voltage	1pole 240VAC 50/60Hz 2,3,4Pole 415VAC 50/60Hz
Utilization category	AC-22A
Icw	12Ie, t= 1 s
Rated short-circuit making capacity Icm	20Ie
Rated making & breaking capacity	3Ie, 1.05Ue, COSφ=0.65
Rated insulation voltage Ui	690V
Rated impulse withstand voltage Uimp	6KV
Electrical endurance	1500
Mechanical endurance	10000
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 50mm ²
Ambient temperature (°C)	-5~+35, Max.95% humidity
Storage temperature(°C)	-40~+75
Altitude (meters)	Max. 2,000
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole



Intertek

CE CB



EPI-R-1P



EPI-R-2P



EPI-R-3P



EPI-R-4P

EPI-R Isolating Switch

Pole	In	Model	Packing unit
1P	16A	EPI-R-16/1	12
1P	20A	EPI-R-20/1	12
1P	25A	EPI-R-25/1	12
1P	32A	EPI-R-32/1	12
1P	40A	EPI-R-40/1	12
1P	50A	EPI-R-50/1	12
1P	63A	EPI-R-63/1	12
1P	80A	EPI-R-80/1	12
1P	100A	EPI-R-100/1	12

2P	16A	EPI-R-16/2	6
2P	20A	EPI-R-20/2	6
2P	25A	EPI-R-25/2	6
2P	32A	EPI-R-32/2	6
2P	40A	EPI-R-40/2	6
2P	50A	EPI-R-50/2	6
2P	63A	EPI-R-63/2	6
2P	80A	EPI-R-80/2	6
2P	100A	EPI-R-100/2	6

3P	16A	EPI-R-16/3	4
3P	20A	EPI-R-20/3	4
3P	25A	EPI-R-25/3	4
3P	32A	EPI-R-32/3	4
3P	40A	EPI-R-40/3	4
3P	50A	EPI-R-50/3	4
3P	63A	EPI-R-63/3	4
3P	80A	EPI-R-80/3	4
3P	100A	EPI-R-100/3	4

4P	16A	EPI-R-16/4	3
4P	20A	EPI-R-20/4	3
4P	25A	EPI-R-25/4	3
4P	32A	EPI-R-32/4	3
4P	40A	EPI-R-40/4	3
4P	50A	EPI-R-50/4	3
4P	63A	EPI-R-63/4	3
4P	80A	EPI-R-80/4	3
4P	100A	EPI-R-100/4	3



EPI-R-1P



EPI-R-2P



EPI-R-3P



EPI-R-4P

1. Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electric endurance	1500	120/h	16~125A
Mechanical endurance	10000	120/h	16~125A

2. Wiring

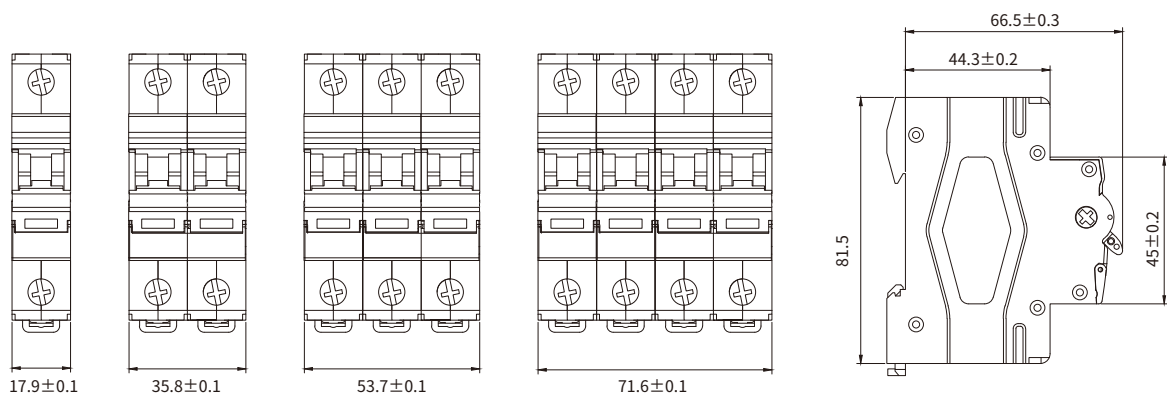
The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Cross section area s (mm ²)	Tightening torque (N.m)
16	2.5	3.5
20	2.5	3.5
25	4	3.5
32	6	3.5
40	10	3.5
50	10	3.5
63	16	3.5
80	35	3.5
100	35	3.5

3. Features

1. Current capacity is enhanced and electric drive compensation is fully applied
2. Reliable operation thanks to special designed operating mechanism
3. Safe operation is ensured

4. Overall and mountina dimensions



EPI-R

EPBA Series Circuit Breaker Accessories

Technical data

Standard	EN/ IEC 62019
Rated insulation voltage Ui	500V
Rated voltage	AC 230V
Rated frequency(Hz)	50/60Hz
Utilization catagory	AC14,AC15
Ambient temperature(°C)	-5~+40, max 95%humidity
Storage temprature (°C)	-40~+75
Electric endurance	4000
Mechanical endurance	10000
Dielectric strength	2000V/1min
Protection degree	IP20



EPBA-OF

EPBA-SD

EPBA-MN

EPBA-MX

EPB-63M-1P

Application

Applicable to MCB model EPB-63, used to control remote signaling device.

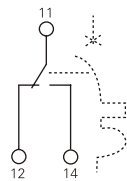


Combination scheme

OF EPB-63 OF MX EPB-63

OF Auxiliary Contact

Type code	Rated voltage (V)	Rated current (A)
OF23A	230AC	6
OF40A	400AC	3
OF24D	24 DC	6
OF48D	48 DC	2



OF

Dielectric strength: 2kV/1 min

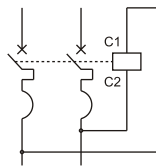
Electro-mechanical endurance: ≥ 5000

Mounted on the left side of the MCB EPB-63, indicating "ON", "OFF" status of combined MCB.

Terminal Connection Height: H1 = 31 mm H2 = 16mm H3 = 1.3mm

MX Shunt Tripper

Type code	Rated voltage (V)
MX23A	230AC
MX40A	400AC
MX24D	24 DC
MX48D	48 DC



MX

Rated insulation voltage(U_i): 500V

Operate voltage range: 70-100% U_s

Contact capacity: AC:3A/400V, AC:6A/230V, AC:9A/125V

Dielectric strength: 2kV/1 min

Electro-mechanical endurance: ≥ 4000

Mounting on the left side of MCB/RCBO, used to trip the combined MCB/RCBO by remote controlling device.

Terminal Connection Height: 19mm

Application

Applicable to MCB model EPB-63, used to control remote signaling device.



Combination scheme

SD EPB-63

SD MN EPB-63

SD Alarm Switch

Type code	Rated voltage (V)	Rated current (A)
SD23A	230AC	6
SD40A	400AC	3
SD24D	24 DC	6
SD48D	48 DC	2

Rated insulation voltage (U_i): 500V

Operate voltage range: 70~ 100% U_s

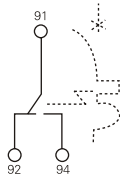
Dielectric strength: 2KV/1 min

Electro-mechanical endurance: ≥ 4000

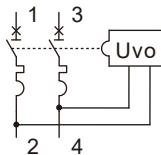
Is used to connect ON/OFF auxiliary contact, work as circuit breaker ON/OFF indicator in case of faulty (tripping)



SD



MN



MN Over-voltage/Under-voltage Tripper

Type code	Rated voltage (V)
MN23A	230AC

Rated insulation voltage (U_i): 500V

Over-voltage tripping range: $280V \pm 5\%$

Under-voltage tripping range: $170V \pm 5\%$

Electro-mechanical endurance: ≥ 4000

Mounted on the left side of circuit breaker, actuate the combined device to trip in case of under-voltage or over-voltage, effectively prevent the device from closing operation under abnormal power voltage condition.

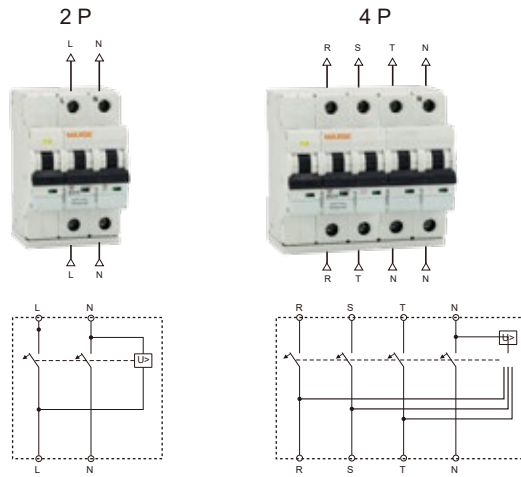
Technical data



UVT

Code No.	UVT
Current	25A, 40A, 63A
Dimension	Poles: 2P 4P Size: 58mm 90mm
Voltage range	2P: 230VAC, 4P: 415VAC
Function range	2P: 280VAC, 4P: 480VAC

Wire diagram



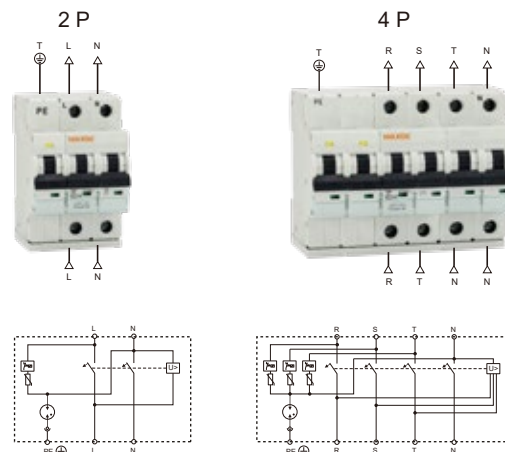
Technical data



UVT + SPD

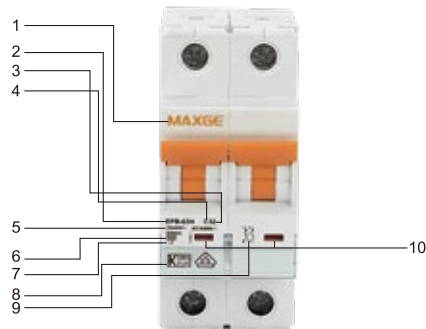
Code No.	UVT+SPD
Current	25A, 32, 40A, 63A
Dimension	Poles: 2P 4P Size: 58mm 108mm
Capacity	Type 2 - 15kA max
Voltage range	2P: 230VAC, 4P: 415VAC
Function range	2P: 280VAC, 4P: 480VAC

Wire diagram



1. Benefits

1. Brand
2. Type
3. Rated current
4. Tripping type
5. Rated voltage
6. Breaking capacity
7. Energy Limiting
8. Approval
9. Electrical wiring diagram
10. ON/OFF indication



- ◆ Attractive device design
- ◆ Easily recognized, color-coded switching position
- ◆ Indication integrated in the handle.

- ◆ Well matched with RCCB EPR-2



- ◆ Well matched with Isolator EPI-R

- ◆ Auxiliary contacts can be added on the left side of the MCB

- ◆ Ergonomic handle for user-friendly switching



- ◆ Safety terminal:
 - easy wiring
 - protection degree IP20.
- ◆ Pozidriv and slot screw head. Torque up to 4 N.m.

- ◆ MCB and RCCB can be connected with PIN type busbar both at the top and bottom terminals.with easy DIN-rail extraction.

- ◆ MCB and RCCB can be connected with FORK type busbar both at the top and bottom terminals.with easy DIN-rail extraction.

EPC1 Series Modular Contactor

Technical data

Standard	EN/IEC 60947-4-1, EN/IEC 61095
Maximum power	AC1 220/230VAC: 20A 4.5KW(EPC1-20) 25A 16KW(EPC1-25) AC-1/AC-7a 380/400VAC: 63A 40KW(EPC1-63) AC-3/AC-7b 380/400VAC: 25A 15KW(EPC1-63) 4KW(EPC1-25)
Main contacts terminal capacity	1.5-6mm ² (EPC1-10/16/20/25A) 6-35mm ² (EPC1-40/63A)
Coil contact A1, A2 terminal capacity	0.75-2.5mm ²
Electric endurance	≥100,000
Mechanical endurance	≥5000,000
Protection degree	IP20
Terminal tightening torque(N.m)	0.8-3.5
Ambient temperature (°C)	-5~+60, max. 95%humidity
Storage temperature(°C)	-40~+75
Connection capacity(mm²)	1-25



CE CB



EPC1-2P(10A-25A)



EPC1-2P(32A-63A)



EPC1-4P(10A-25A)



EPC1-4P(32A-63A)

EPC1 Modular Contactor



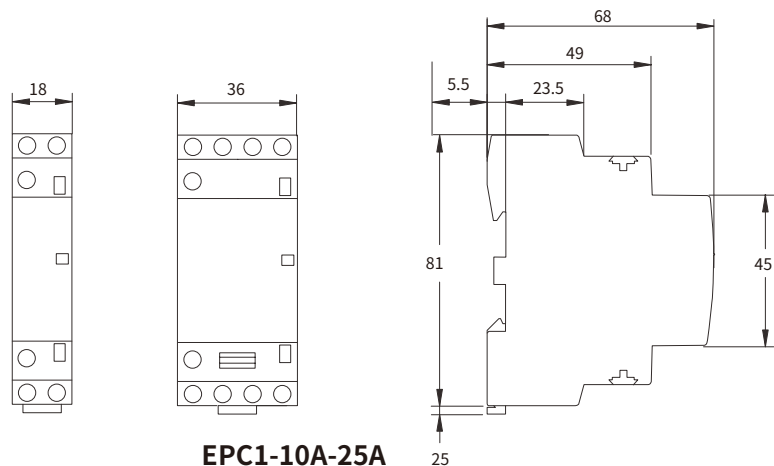
EPC1-2P(10A-25A)



EPC1-2P(32A-63A)

Code No.	Rated current In(A)		Contact position	Control voltage (Vac)	Rated control power in(KW)	
	Ac-7a/Ac-1	Ac-7b/Ac-1			Ac-7a/230V	Ac-7b/230V
EPC1-10-11C	10	4	1NO+1NC	240	2	0.75
EPC1-10-20C	10	4	2NO	240	2	0.75
EPC1-10-02C	10	4	2NC	240	2	0.75
EPC1-16-11C	16	5.5	1NO+1NC	240	3.2	1.0
EPC1-16-20C	16	5.5	2NO	240	3.2	1.0
EPC1-16-02C	16	5.5	2NC	240	3.2	1.0
EPC1-20-11C	20	7	1NO+1NC	240	4	1.2
EPC1-20-20C	20	7	2NO	240	4	1.2
EPC1-20-02C	20	7	2NC	240	4	1.2
EPC1-25-11C	25	8.5	1NO+1NC	240	5	1.4
EPC1-25-20C	25	8.5	2NO	240	5	1.4
EPC1-25-02C	25	8.5	2NC	240	5	1.4
EPC1-10-22	10	4	2NO+2NC	240	6.2	2.2
EPC1-10-31	10	4	3NO+1NC	240	6.2	2.2
EPC1-10-40	10	4	4NO	240	6.2	2.2
EPC1-10-04	10	4	4NC	240	6.2	2.2
EPC1-16-22	16	5.5	2NO+2NC	240	10	3
EPC1-16-31	16	5.5	3NO+1NC	240	10	3
EPC1-16-40	16	5.5	4NO	240	10	3
EPC1-16-04	16	5.5	4NC	240	10	3
EPC1-20-22	20	7	2NO+2NC	240	13	3.5
EPC1-20-31	20	7	3NO+1NC	240	13	3.5
EPC1-20-40	20	7	4NO	240	13	3.5
EPC1-20-04	20	7	4NC	240	13	3.5
EPC1-25-22	25	8.5	2NO+2NC	240	15	4
EPC1-25-31	25	8.5	3NO+1NC	240	15	4
EPC1-25-40	25	8.5	4NO	240	15	4
EPC1-25-04	25	8.5	4NC	240	15	4

Overall and mounting dimensions



EPC1-10A-25A

EPC1 Modular Contactor



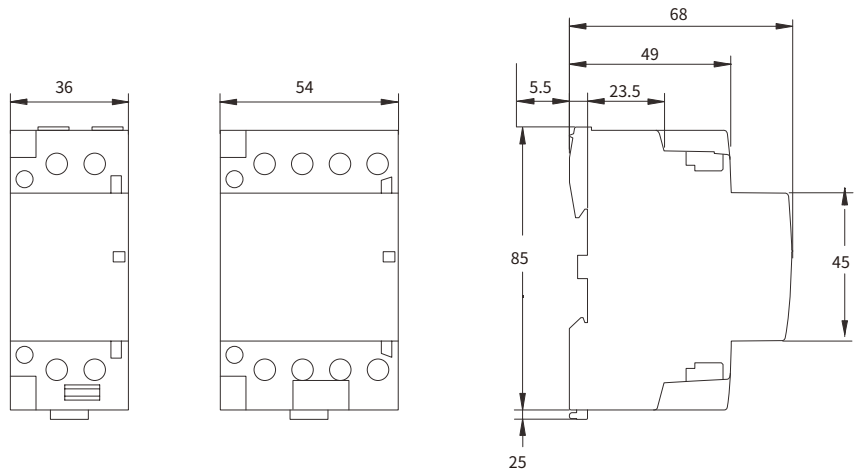
EPC1-2P(32A-63A)



EPC1-4P(32A-63A)

Code No.	Rated current In(A)		Contact position	Control voltage (Vac)	Rated control power in(KW)	
	Ac-7a/Ac-1	Ac-7b/Ac-1			Ac-7a/400V	Ac-7b/400V
EPC1-32-11	32	12	1NO+1NC	240	6.5	2
EPC1-32-20	32	12	2NO	240	6.5	2
EPC1-32-02	32	12	2NC	240	6.5	2
EPC1-40-11	40	15	1NO+1NC	240	8.5	2.5
EPC1-40-20	40	15	2NO	240	8.5	2.5
EPC1-40-02	40	15	2NC	240	8.5	2.5
EPC1-63-11	63	25	1NO+1NC	240	13	4
EPC1-63-20	63	25	2NO	240	13	4
EPC1-63-02	63	25	2NC	240	13	4
EPC1-32-22	32	12	2NO+2NC	240	21	6.5
EPC1-32-31	32	12	3NO+1NC	240	21	6.5
EPC1-32-40	32	12	4NO	240	21	6.5
EPC1-32-04	32	12	4NC	240	21	6.5
EPC1-40-22	40	15	2NO+2NC	240	26	7.5
EPC1-40-31	40	15	3NO+1NC	240	26	7.5
EPC1-40-40	40	15	4NO	240	26	7.5
EPC1-40-04	40	15	4NC	240	26	7.5
EPC1-63-22	63	25	2NO+2NC	240	40	13
EPC1-63-31	63	25	3NO+1NC	240	40	13
EPC1-63-40	63	25	4NO	240	40	13
EPC1-63-04	63	25	4NC	240	40	13

Overall and mounting dimensions



EPC1-32A-63A

EPSO Series Door Bell

Technical data

Standard	EN / IEC 61558-1
Electric ratings	8V, 12V, 24V, 110V, 230V, 50/60Hz
Installation class	II&III
Pollution grade	II
Working condition	Short-time working
Degree of protection	IP20
Mounting	35mm DIN rail

EPTF-8 Series Transformer

Technical data

Standard	EN/IEC61558
Input voltage	230VAC 50/60Hz
Output voltage	4,6,8,12,16,24V
Rated power output	8VA
Consumption	1.15W
Pollution class	I
Mounting	35mm DIN rail
Service period	Continuous operating
Connection terminals	Pillar terminal with clamp
Connection capacity	Rigid conductor 10mm ²
Terminal Connection Height	H=15.5mm
Installation	On symmetrical DIN rail Panel mounting



EPSO

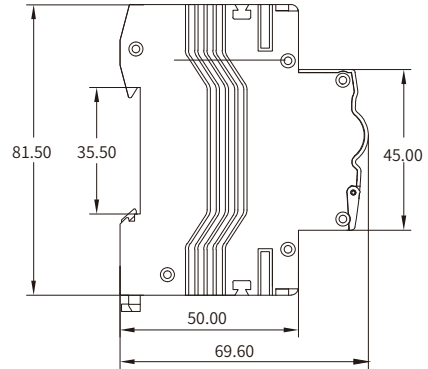


EPTF-8

EPSO Door Bell	Operational voltage(V)	Code No.	Capacity (VA)	Noise level	Packing unit
	8V	EPSO-8V	4.8 VA	78dB	12
	12V	EPSO-12V	4.8 VA	78dB	12
	24V	EPSO-24V	4.8 VA	78dB	12
	110V	EPSO-110V	4.4 VA	78dB	12
	230V	EPSO-230V	4.0 VA	78dB	12



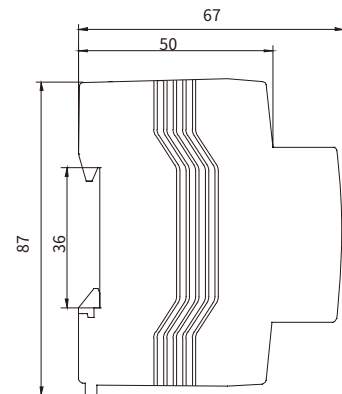
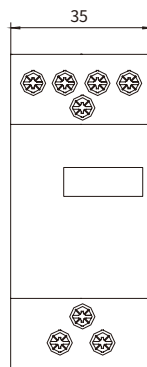
EPSO



EPTF-8 Transformer	Rated output power P2(VA)	Code No.	Rated voltage		Current w/o Load I ₀ (A)	Power consumption w/o Load P ₀ (W)	Coil Temperature rising(°C)
			Primary U1(V)	Secondary U2(U)			
	8	EPTF-8-4	230(240)	4	36±6	1.15	50
		EPTF-8-6		6			
		EPTF-8-8		8			
		EPTF-8-12		12			
		EPTF-8-16		16			
		EPTF-8-24		24			



EPTF-8



EPTF-8

EPSL-1 Series Indicating Light

Technical data

Standard	EN/IEC60947-5-1
Rated current AC12	20A
Electric ratings	Up to 230VAC 50/60Hz
Rated insulation Voltage Ui	500V
Illumination	LED, Incandescence, neon
Life	Incandescence lamp ≥ 10000 h Neon lamp ≥ 20000 h LED ≥ 30000 h
Ambient temperature(°C)	-5~+40,max.95% humidity
Storage temperature(°C)	-40~+75
Connection capacity(mm²)	1-16
Color	Green,red,yellow,blue,white
Type of terminal	Pin type and Lug type
Protection degree	IP20
Mounting	35mm DIN rail



EPSL-1 Red

EPSL-1 Yellow

EPSL-1 Green

EPSL-1 Indicating Light



EPSL-1 Red



EPSL-1 Yellow



EPSL-1 Green

Operational voltage(V)	Code	Illumination	Color	Packing unit
6.3V AC/DC	EPSL-1-G-L6	Neon Incandescence LED	Green ■	12
12V AC/DC	EPSL-1-G-L12	Neon Incandescence LED	Green ■	12
24V AC/DC	EPSL-1-G-L24	Neon Incandescence LED	Green ■	12
110V AC/DC	EPSL-1-G-L110	Neon Incandescence LED	Green ■	12
230V AC/DC	EPSL-1-G-L230	Neon Incandescence LED	Green ■	12
6.3V AC/DC	EPSL-1-R-L6	Neon Incandescence LED	Red ■	12
12V AC/DC	EPSL-1-R-L12	Neon Incandescence LED	Red ■	12
24V AC/DC	EPSL-1-R-L24	Neon Incandescence LED	Red ■	12
110V AC/DC	EPSL-1-R-L110	Neon Incandescence LED	Red ■	12
230V AC/DC	EPSL-1-R-L230	Neon Incandescence LED	Red ■	12
6.3V AC/DC	EPSL-1-Y-L6	Neon Incandescence LED	Yellow ■	12
12V AC/DC	EPSL-1-Y-L12	Neon Incandescence LED	Yellow ■	12
24V AC/DC	EPSL-1-Y-L24	Neon Incandescence LED	Yellow ■	12
110V AC/DC	EPSL-1-Y-L110	Neon Incandescence LED	Yellow ■	12
230V AC/DC	EPSL-1-Y-L230	Neon Incandescence LED	Yellow ■	12
6.3V AC/DC	EPSL-1-B-L6	Neon Incandescence LED	Blue ■	12
12V AC/DC	EPSL-1-B-L12	Neon Incandescence LED	Blue ■	12
24V AC/DC	EPSL-1-B-L24	Neon Incandescence LED	Blue ■	12
110V AC/DC	EPSL-1-B-L110	Neon Incandescence LED	Blue ■	12
230V AC/DC	EPSL-1-B-L230	Neon Incandescence LED	Blue ■	12
6.3V AC/DC	EPSL-1-W-L6	Neon Incandescence LED	White □	12
12V AC/DC	EPSL-1-W-L12	Neon Incandescence LED	White □	12
24V AC/DC	EPSL-1-W-L24	Neon Incandescence LED	White □	12
110V AC/DC	EPSL-1-W-L110	Neon Incandescence LED	White □	12
230V AC/DC	EPSL-1-W-L230	Neon Incandescence LED	White □	12

EPSL-2 Series

Indicating Light With Two Lights

Technical data

Standard	EN / IEC60947-5-1
Rated current AC12	20A
Electric ratings	Up to 230VAC 50/60Hz
Rated insulation Voltage Ui	500V
Illumination	LED, Incandescence, neon
Life	Incandescence lamp \geq 1000h Neon lamp \geq 2000h LED \geq 30000h
Ambient temperature(°C)	-5~+40,max.95% humidity
Storage temperature(°C)	-40~+75
Connection capacity (mm²)	1-16
Color	Red+Green
Type of terminal	Pin type
Protection degree	IP20
Mounting	35mm DIN rail



EPSL-3 Series Indicating Light With Three Lights

Technical data

Standard	EN/IEC60947-5-1
Rated current AC12	20A
Electric ratings	Up to 230VAC 50/60Hz
Rated insulation Voltage Ui	500V
Illumination	LED, Incandescence, neon
Life	Incandescence lamp ≥ 10000 h Neon lamp ≥ 20000 h LED ≥ 30000 h
Ambient temperature(°C)	-5~+40,max.95% humidity
Storage temperature(°C)	-40~+75
Connection capacity (mm²) t	1-16
Color	Red+Blue+Green
Type of terminal	Pin type
Protection degree	IP20
Mounting	35mm DIN rail



SGS1 Series Surge Protective Device

Technical data

Standard	IEC61643-1
Protection	Protect electric system and on-loading electrical apparatus from thunder and instantaneous over-voltage
Ambient temperature(°C)	-40~+70
Number of poles	1P,2P,3P,4P
Maximum continuous operating voltage Uc(V~)	275/320/385/440 V
Nominal discharge current In(8/20µs) (KA)	10/20/30/40/60 KA
Maximum discharge current Imax(8/20µs) (KA)	20/40/60/80/100 KA
Protection level Up(KV)	<1.3/1.4/1.5/1.6/1.7/1.8/2.2/2.5/3.0 KV
Response time t(ns)	<25
On-Off indicating window	Green: normal function Red: functionless, immediate replacement required
Type of terminal	Pin type
Installation	Mounting on 35mm DIN rail
Ground system	TT/TN



SGS1/1



SGS1/2



SGS1/3



SGS1/4

SGS1-D	Type	Poles	Uc(V~)	Discharge current		Up(kV)	Applicable grounding system
				Nominal(kA)	Max.(kA)		
 SGS1-D/1	SGS1-D/1-275-20	1	275	10	20	< 1.2	TT/TN
	SGS1-D/1-320-20	1	320	10	20	< 1.5	TT/TN
	SGS1-D/1-385-20	1	385	10	20	< 1.6	TT/TN
	SGS1-D/1-440-20	1	440	10	20	< 1.8	TT/TN
 SGS1-D/2	SGS1-D/2-275-20	2	275	10	20	< 1.2	TT/TN
	SGS1-D/2-320-20	2	320	10	20	< 1.5	TT/TN
	SGS1-D/2-385-20	2	385	10	20	< 1.6	TT/TN
	SGS1-D/2-440-20	2	440	10	20	< 1.8	TT/TN
 SGS1-D/3	SGS1-D/3-275-20	3	275	10	20	< 1.2	TT/TN
	SGS1-D/3-320-20	3	320	10	20	< 1.5	TT/TN
	SGS1-D/3-385-20	3	385	10	20	< 1.6	TT/TN
	SGS1-D/3-440-20	3	440	10	20	< 1.8	TT/TN
 SGS1-D/4	SGS1-D/4-275-20	4	275	10	20	< 1.2	TT/TN
	SGS1-D/4-320-20	4	320	10	20	< 1.5	TT/TN
	SGS1-D/4-385-20	4	385	10	20	< 1.6	TT/TN
	SGS1-D/4-440-20	4	440	10	20	< 1.8	TT/TN

SGS1-C



SGS1-C/1



SGS1-C/2



SGS1-C/3



SGS1-C/4

Type	Poles	Uc(V~)	Discharge current		Up(KV)	Applicable grounding system
			Nominal(kA)	Max.(kA)		
SGS1-C/1-275-40	1	275	20	40	< 1.6	TT/TN
SGS1-C/1-320-40	1	320	20	40	< 1.7	TT/TN
SGS1-C/1-385-40	1	385	20	40	< 1.8	TT/TN
SGS1-C/1-440-40	1	440	20	40	< 2.2	TT/TN
SGS1-C/2-275-40	2	275	20	40	< 1.6	TT/TN
SGS1-C/2-320-40	2	320	20	40	< 1.7	TT/TN
SGS1-C/2-385-40	2	385	20	40	< 1.8	TT/TN
SGS1-C/2-440-40	2	440	20	40	< 2.2	TT/TN
SGS1-C/3-275-40	3	275	20	40	< 1.6	TT/TN
SGS1-C/3-320-40	3	320	20	40	< 1.7	TT/TN
SGS1-C/3-385-40	3	385	20	40	< 1.8	TT/TN
SGS1-C/3-440-40	3	440	20	40	< 2.2	TT/TN
SGS1-C/4-275-40	4	275	20	40	< 1.6	TT/TN
SGS1-C/4-320-40	4	320	20	40	< 1.7	TT/TN
SGS1-C/4-385-40	4	385	20	40	< 1.8	TT/TN
SGS1-C/4-440-40	4	440	20	40	< 2.2	TT/TN

SGS1-B



SGS1-B/1



SGS1-B/3

Type	Poles	Uc(V~)	Discharge current		Up(KV)	Applicable grounding system
			Nominal(kA)	Max.(kA)		
SGS1-B/1-385-60	1	385	30	60	<2.2	TT/TN
SGS1-B/1-440-60	1	440	30	60	<2.5	TT/TN
SGS1-B/2-385-60	2	385	30	60	<2.2	TT/TN
SGS1-B/2-440-60	2	440	30	60	<2.5	TT/TN
SGS1-B/3-385-60	3	385	30	60	<2.2	TT/TN
SGS1-B/3-440-60	3	440	30	60	<2.5	TT/TN
SGS1-B/4-385-60	4	385	30	60	<2.2	TT/TN
SGS1-B/4-440-60	4	440	30	60	<2.5	TT/TN
SGS1-B/1-385-80	1	385	40	80	<2.5	TT/TN
SGS1-B/1-385-100	1	385	60	100	<2.5	TT/TN
SGS1-B/1-440-80	1	440	40	80	<3.0	TT/TN
SGS1-B/1-440-100	1	440	60	100	<3.0	TT/TN
SGS1-B/2-385-80	2	385	40	80	<2.5	TT/TN
SGS1-B/2-385-100	2	385	60	100	<2.5	TT/TN
SGS1-B/2-440-80	2	440	40	80	<3.0	TT/TN
SGS1-B/2-440-100	2	440	60	100	<3.0	TT/TN
SGS1-B/3-385-80	3	385	40	80	<2.5	TT/TN
SGS1-B/3-385-100	3	385	60	100	<2.5	TT/TN
SGS1-B/3-440-80	3	440	40	80	<3.0	TT/TN
SGS1-B/3-440-100	3	440	60	100	<3.0	TT/TN
SGS1-B/4-385-80	4	385	40	80	<2.5	TT/TN
SGS1-B/4-385-100	4	385	60	100	<2.5	TT/TN
SGS1-B/4-440-80	4	440	40	80	<3.0	TT/TN
SGS1-B/4-440-100	4	440	60	100	<3.0	TT/TN

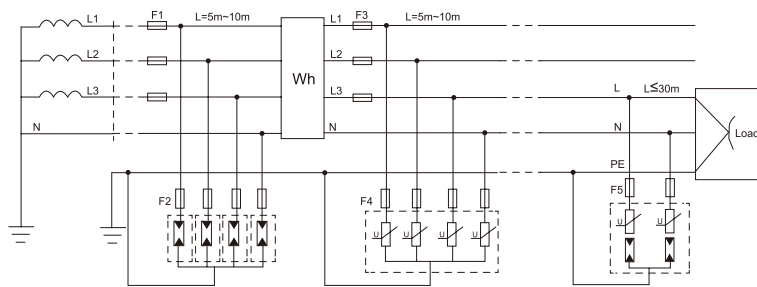
1. Technical data

Type	SGS1-D				SGS1-C				SGS1-B			
	275-20	320-20	385-20	440-20	275-40	320-40	385-40	440-40	385-60	385-80	385-100	
Max.continuous operating vol. Uc(V~)	275V	320V	385V	440V	275V	320V	385V	440V	385V	385V	385V	
Level of vol.protection(Up<)	1.2kV	1.5kV	1.6kV	1.8kv	1.6kV	1.7KV	1.8KV	2.2kv	2.2KV	2.5KV	2.5KV	
Nominal discharge curent In(8/20us)kA	10	10	10	10	20	20	20	20	30	40	60	
Max. discharge current Imax(8/20us)kA	20	20	20	20	40	40	40	40	60	80	100	
Response time t(ns)	<25				<25				<25			
Pole width(mm)	18				18				18			
Colour	Orange				Grey				Red			
Protection degree	IP20				IP20				IP20			
Material of cover	PBT				PBT				PBT			
Circuit current	10~16A				25~32A				25~32A			
Wiring	L,N	2.5~35mm ²				2.5~35mm ²				2.5~35mm ²		
	PE	4.0~35mm ²				4.0~35mm ²				4.0~35mm ²		

2. How to select surge protectors

- The voltage should be $\leq U_c$;
- $U_p <$ maximum impulse withstands;
- Different protectors should be selected according to various grounding system and protection mode.

3. Allocation of surge protectors under TT system

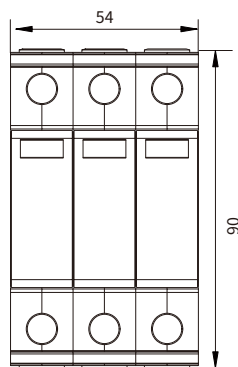


SGS1-B series surge protector
 Protection category: B
 Over-voltage mounting category: III
 Rated impulse withstand voltage: 4KV
 Parameters of discharge: U_{imp} and I_n
 Master power distribution cabinet

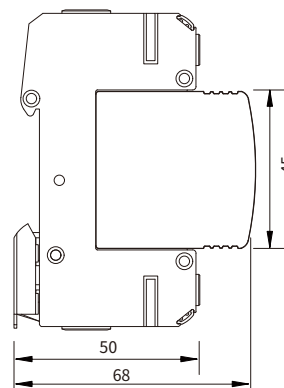
SGS1-C series surge protector
 Protection category: C
 Over-voltage mounting category: II
 Rated impulse withstand voltage: 2.5KV
 Parameters of discharge: I_{max} and I_n
 Branch power distribution cabinet

SGS1-D series surge protector
 Protection category: D
 Over-voltage mounting category: I
 Rated impulse withstand voltage: 1.5KV
 Parameters of discharge: U_{oc} and I_{sc}
 Terminal of power distribution

4. Overall and Mounting Dimensions



SGS1



SGS1-DC Series Surge Protective Device

Technical data

Standard	IEC50539-11
Protection	Protect electric system and on-loading electrical apparatus from thunder and instantaneous over-voltage
Ambient temperature (°C)	-40~+70
Number of poles	2P,3P
PV system operating voltage ucpv	1000/1500 V
Nominal discharge current In(8/20μs)(KA)	20KA
Maximum discharge current Imax(8/20μs)(KA)	40KA
Protection level Up(KV)	≤3.8/4.5
Response time t(ns)	<25
On-Off indicating window	Green: normal function Red: functionless, immediate replacement required
Type of terminal	Pin type
Installation	Mounting on 35mm DIN rail



CE CB



SGS1-DC/2



SGS1-DC/3

SGS1-DC

Type	Poles	Uc(V~)	Discharge current		Up(KV)	Photovoltaic voltage
			Nominal(kA)	Max.(kA)		



SGS1-DC/2

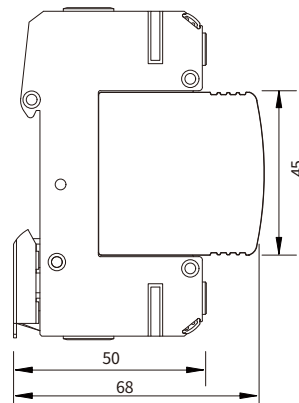
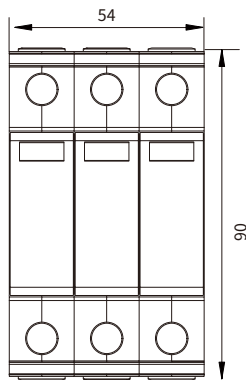
SGS1-DC/2-500/40	2	500	20	40	≤2.5	500V
SGS1-DC/2-1000/40	2	1000	20	40	≤3.5	1000V



SGS1-DC/3

SGS1-DC/3-500/40	3	500	20	40	≤2.5	500V
SGS1-DC/3-1000/40	3	1000	20	40	≤3.5	1000V
SGS1-DC/3-1500/40	3	1500	20	40	≤5.5	1500V

Overall and Mounting Dimensions



SGS1

EPF-32 Series Fuse Holder and Links

Technical data

Standard	EN/ IEC60947-3 EN/ IEC60269
Electric ratings	Up to 32A 690V AC 50Hz
Type	EPF-32(X)
Rated breaking capacity	100KA
Rated insulation voltage Ui	500V
Rated impulse withstand voltage	1890V
Electric endurance	1500
Mechanical endurance	8500
Operating frequency	40-60Hz
Protection degree	IP20
Terminal tightening torque (N-m)	2.5
Ambient temperature (°C)	-5~+40 max.90% humidity
Storage temperature (°C)	-20~+75
Connection Capacity (mm²)	1-50



CE CB



EPF-32-1P



EPF-32-2P



EPF-32-3P



EPF-32-4P

EPF-32 Fuse Holder and Links



EPF-32-1P



EPF-32-2P



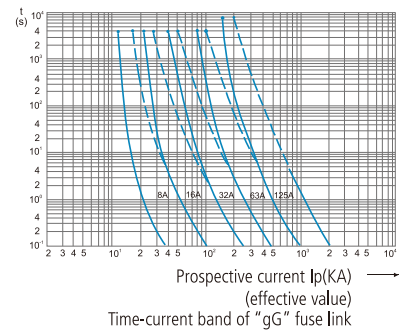
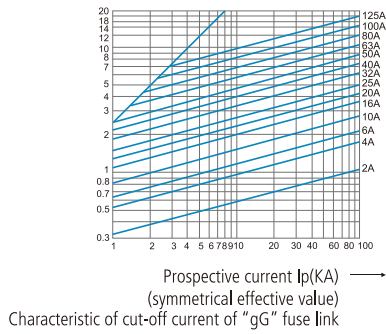
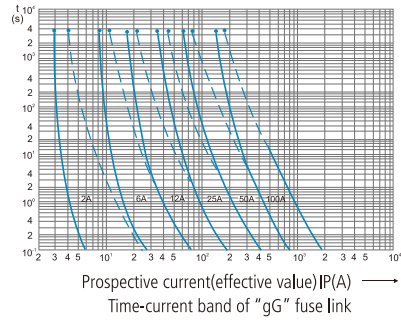
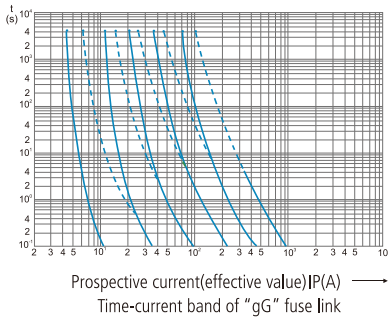
EPF-32-3P



EPF-32-4P

Code No.	Fuse link size	Link current	Packing unit (holder)	Packing unit(link)
EPF-32-1 EPF-32X-1	10 X 38mm	2A	12	20
		4A	12	20
		6A	12	20
		10A	12	20
		16A	12	20
		20A	12	20
		25A	12	20
		32A	12	20
EPF-32-2 EPF-32X-2	10 X 38mm	2A	6	20
		4A	6	20
		6A	6	20
		10A	6	20
		16A	6	20
		20A	6	20
		25A	6	20
		32A	6	20
EPF-32-3 EPF-32X-3	10 X 38mm	2A	4	20
		4A	4	20
		6A	4	20
		10A	4	20
		16A	4	20
		20A	4	20
		25A	4	20
		32A	4	20
EPF-32-4 EPF-32X-4	10 X 38mm	2A	3	20
		4A	3	20
		6A	3	20
		10A	3	20
		16A	3	20
		20A	3	20
		25A	3	20
		32A	3	20

1. Curves

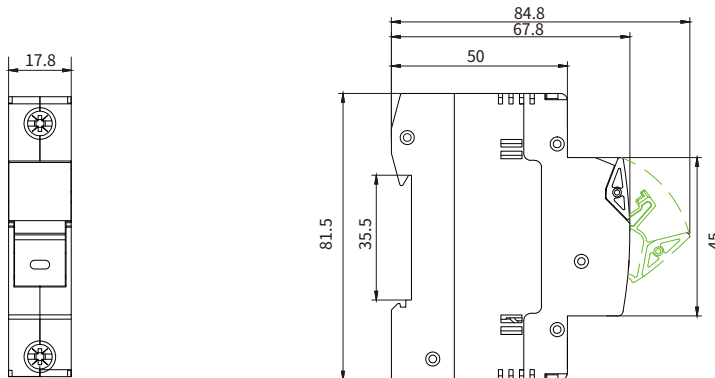


2. Wiring

The suitable conductors should be used for connection.

In (A)	I ² t(A ² S) (V) Preacting	I ² t(A ² S) (kA) Clearing at 600V	Watts loss (W) In
3	-	-	-
6	4	30	1.5
8	6	50	2.0
10	9	70	2.5
12	15	120	3.0
16	25	150	3.5
20	34	260	4.8
25	60	390	6.0
32	95	600	7.5

5. Overall and mounting dimensions



EPF-32

EPF-63 Series Fuse Holder and Links

Technical data

Standard	EN/IEC6047-3, EN/IEC60269
Electric ratings	Up to 63A 230V AC 50/60Hz
Utilization category	AC-21A
Rated insulation voltage Ui	690V
Rated impulse withstand voltage	4kV
Electric endurance	1500
Mechanical endurance	8500
Operating frequency	120/h
Degree of protection	IP20
Ambient temperature (°C)	-25~+40, max.95% humidity
Storage temperature (°C)	-40~+75
Connection Capacity (mm²)	1-25



EPF63-1P



EPF63-2P







EPF63-3P

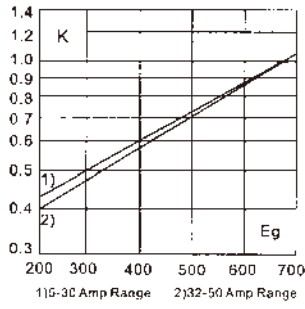


EPF63-4P

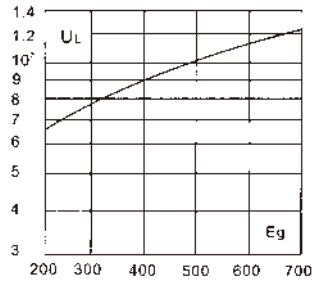
EPF-63 Fuse Holder and Links

	Code No.	Fuse link size	Link current	Packing unit (holder)	Packing unit (link)
 <p>EPF63-1P</p>	EPF-63-1 EPF-63X-1	14 X 51mm	2A	12	20
			4A	12	20
			6A	12	20
			10A	12	20
			16A	12	20
			20A	12	20
			25A	12	20
			35A	12	20
			50A	12	20
 <p>EPF63-2P</p>	EPF-63-2 EPF-63X-2	14 X 51mm	2A	6	20
			4A	6	20
			6A	6	20
			10A	6	20
			16A	6	20
			20A	6	20
			25A	6	20
			35A	6	20
			50A	6	20
 <p>EPF63-3P</p>	EPF-63-3 EPF-63X-3	14 X 51mm	2A	4	20
			4A	4	20
			6A	4	20
			10A	4	20
			16A	4	20
			20A	4	20
			25A	4	20
			35A	4	20
			50A	4	20
 <p>EPF63-4P</p>	EPF-63-4 EPF-63X-4	14 X 51mm	2A	3	20
			4A	3	20
			6A	3	20
			10A	3	20
			16A	3	20
			20A	3	20
			25A	3	20
			35A	3	20
			50A	3	20
63A	3	20			

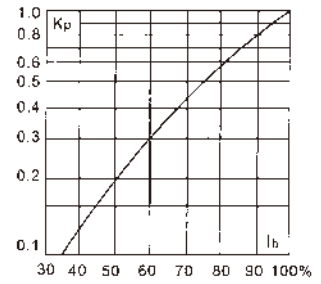
1. Curves



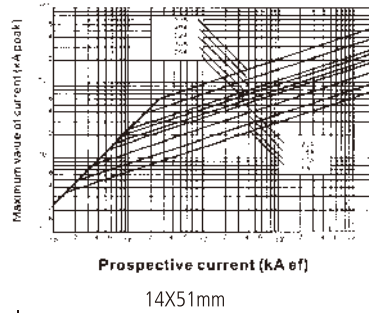
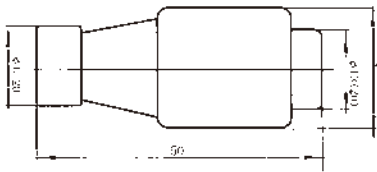
I²t Total clearing (K)



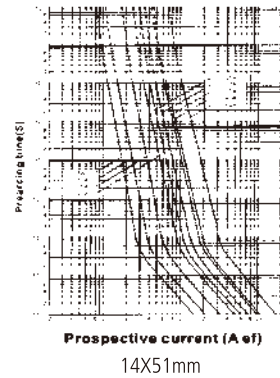
Arc voltage (UL)



Power losses



14X51mm



14X51mm

2. Wiring

The suitable conductors should be used for connection.

In (A)	I ² t(A ² S) (V) Prearcing	I ² t(A ² S) (kA) Clearing at 600V	Watts loss (W) In
1	-	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	1.6	11	1.5
6	-	-	-
10	3.6	22	4.0
15	10	75	5.5
20	26	180	6.0
25	44	320	7.0
30	58	450	9.0
32	68	600	7.6
40	84	750	8.0
50	200	1800	9.0

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- ① Power modular with surge protection
- ② Intelligent mini circuit breaker
- ③ Intelligent mini circuit breaker with leakage protection
- ④ Intelligent communication modular



ISO-9001



ISO-14001



OHSAS-18001



KEMA



KEMA



KEMA



SEMKO



SEMKO



SEMKO



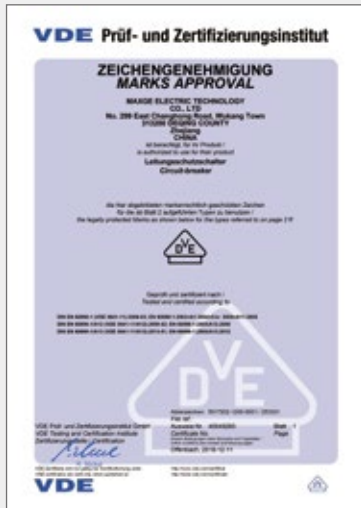
TUV



TUV



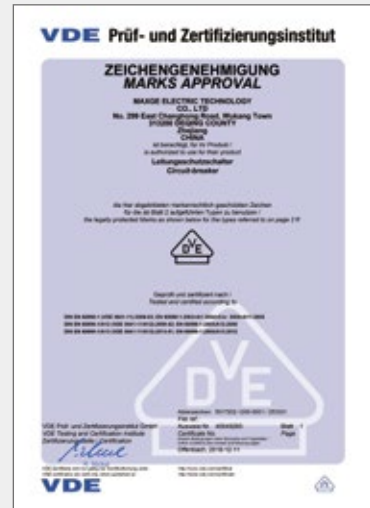
TUV



VDE



VDE



VDE



ASTA



INMETRO



CE

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