

MR·BREAKER

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 •



Charging Station

EPRI-B Series

Residual Current Circuit Breaker

Standard	EN/IEC 62423 IEC/EN 61008-1
Rated conditional short-circuit current(kA)	6,10
Rated current(A),I _n	16,25,32,40,50,63
Number of poles	2P(1P+N),4P(3P+N)
Rated sensitivity currents(mA),I _{Δn}	30,100,300
Rated residual non-operating current	0.5XI _{Δn}
Rated impulse withstand voltage U _{imp} (kV)	4
Rated voltage(V)	2pole AC 230/240
	4pole AC 400/415
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 =16,25,32,40A 630A for I _n =63A
Type of trip	Electro-magnetic release
Terminal capacity	Cables up to 35mm ²
Protection degree	IP20
Installation	35mm DIN rail
Certification	



EPRI-B-2P



EPRI-B-4P

EPRI-B Series

Residual Current Circuit Breaker

	Rated current(A)	$I_{\Delta n}$	B Type   	Packing unit
 EPRI-B-2P	16	30mA	EPRI-B/2/16/30	6
	25		EPRI-B/2/25/30	
	32		EPRI-B/2/32/30	
	40		EPRI-B/2/40/30	
	50		EPRI-B/2/50/30	
	63		EPRI-B/2/63/30	
	16	100mA	EPRI-B/2/16/100	
	25		EPRI-B/2/25/100	
	32		EPRI-B/2/32/100	
	40		EPRI-B/2/40/100	
	50		EPRI-B/2/50/100	
	63		EPRI-B/2/63/100	
	16	300mA	EPRI-B/2/16/300	
	25		EPRI-B/2/25/300	
	32		EPRI-B/2/32/300	
	40		EPRI-B/2/40/300	
	50		EPRI-B/2/50/300	
	63		EPRI-B/2/63/300	
 EPRI-B-4P	16	30mA	EPRI-B/4/16/30	3
	25		EPRI-B/4/25/30	
	32		EPRI-B/4/32/30	
	40		EPRI-B/4/40/30	
	50		EPRI-B/4/50/30	
	63		EPRI-B/4/63/30	
	16	100mA	EPRI-B/4/16/100	
	25		EPRI-B/4/25/100	
	32		EPRI-B/4/32/100	
	40		EPRI-B/4/40/100	
	50		EPRI-B/4/50/100	
	63		EPRI-B/4/63/100	
	16	300mA	EPRI-B/4/16/300	
	25		EPRI-B/4/25/300	
	32		EPRI-B/4/32/300	
	40		EPRI-B/4/40/300	
	50		EPRI-B/4/50/300	
	63		EPRI-B/4/63/300	

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Residual Current Circuit Breaker

Life

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

Breaking time of residual current

Max.breaking time					
In(A)	I _{Δn} (A)	I _{Δn}	2 I _{Δn}	5 I _{Δn}	5-500A
16,25,32,40,50,63	0.03,0.1,0.3	0.1s	0.08s	0.04s	0.04s

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	4	2.5
25	4	
32	6	
40	10	
50	16	
63	16	

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

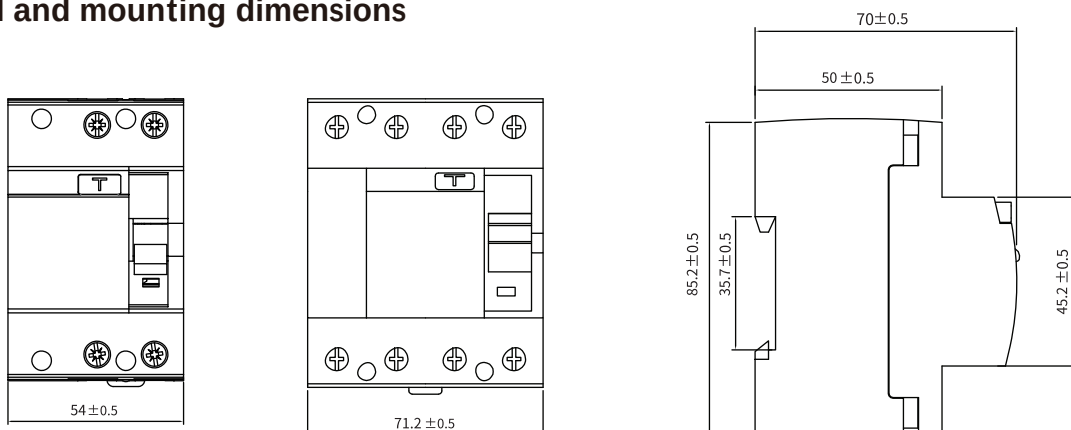
User-friendly connection of conductors and busbars

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)

Overall and mounting dimensions



EPRI-B