

Residual current circuit breakers

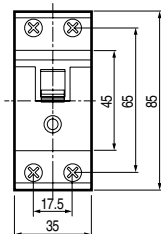
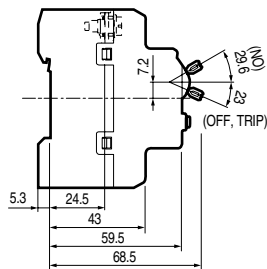
2 and 4pole series up to 63AF

Type	RCBO		RCCB
	RKP	RKS	RKN
Protection	Ground fault and overcurrent	Ground fault and overcurrent	Ground fault
Rated current, I _n	3(C, D), 6, 10, 16, 20, 25, 32A (B, C, D curve)	6, 10, 16, 20, 25, 32A (B, C curve)	25, 32, 40, 63A
Rated residual current			
Operating, I _{Δn}	30, 100, 300mA(non-adjustable)	30, 100mA (non-adjustable)	30, 100, 300mA(non-adjustable)
Non-operating, I _{Δno}	0.5I _{Δn}	0.5I _{Δn}	0.5I _{Δn}
Poles	1P+N	1P+N	2, 4pole
Rated voltage	230VAC	230VAC	230VAC(2p), 230/400VAC(4p)
Residual current off-time	±0.1 sec.	≤0.1sec.	±0.1 sec.
Standard	IEC 61009	IEC 61009	IEC 61008
Approval	CCC, CQC CB	SEMKO CB	CCC, SEMKO CB, SABS
Type of trip			
Ground fault	Electro-magnetic	Electro-magnetic	Electro-magnetic
Overcurrent	Thermal-magnetic	Thermal-magnetic	Not applicable
Breaking capacity	4.5kA	10kA	
Conditional short circuit capacity		-	6kA for I _n =25, 32, 40, 63A
Electrical endurance	20000 operations	≤4000 operations	6000 operations
Mount	On 35mm DIN rail	On 35mm DIN rail	On 35mm DIN rail
Width	35.6mm	18mm	18mm
Terminal	Lug type(cable up to 10mm ²)	Lug type(cable up to 10mm ²)	Lug type(cable up to 35mm ²)
Dimension			
Characteristic curve	See page 43	See page 43	



RCBO	
32KGRa	32KGRb
Ground fault and overcurrent	
15, 20, 30A	
15, 30mA(non-adjustable)	
0.5I _{Δn}	
2pole	
110/220VAC	
±0.03 sec.	
KS, JIS (IEC 61009) *	
Electronic	
Bimetallic	
1.5kA	2.5kA
6000 operations	
On 35mm DIN rail	
35mm	
Screw clamp type(cable up to 25mm ²)	

Isolator		
Type	BKD	
Rated current, In	40, 50, 63, 80, 100, 125A	
Poles	1p, 2p, 3p, 4p	
Rated voltage	230/400VAC	
Standard	IEC 60947-3	
Approval	SABS	
Electrical endurance	40, 50, 63A	20000 operations
	80, 100, 125A	10000 operations
Mount	On 35mm DIN rail	
Width	17.8mm per pole	
Terminal	Lug type(cable up to 50mm ²)	
Dimension		



See page 43

Note) *IEC 61009 standard is applicable for 32KGRa

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