

MINIATURE CIRCUIT BREAKERS

▼ Types and Models



Tripping characteristics

Type B

Instant tripping characteristics : 3~5I_n
Application : computers and electronic equipments

Type C

Instant tripping characteristics : 5~10I_n
Application : general load such as bulbs , motors

Type D

Instant tripping characteristics : 10~20I_n
Application : high current surge device such as transformers, motors with heavy load

Approval

CE marking

CB Certificate


Colored handles

Easy to distinguish the rated current of the MCB by means of colored handle.

1A	Black	20A	Blue
2A	Pink	25A	Yellow
3A	Pink	32A	Purple
4A	Brown	40A	Black
6A	Green	50A	White
10A	Red	63A	Copper-colored
16A	Grey		

(In case of RCCB, Black color only is available)

▼ Specifications

Type	BK63		BTK63		RK63	
Protection	Overload and short circuit				Ground fault	
Rated current	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A				25, 32, 40, 63A	
Characteristics	B, C, D curve				-	
Number of poles	1P, 1P+N, 2P, 3P, 3P+N, 4P				2P, 4P	
Breaking capacity	1P	2, 3, 4P	1P	2, 3, 4P	2P	2P
	6kA	6kA	10kA	10kA	6kA	6kA
Rated voltage	230/400VAC	400VAC	240/415VAC	415VAC	240VAC	240/415VAC
Standards	IEC60898				IEC61008	
Approval	SEMKO CB scheme		KEMA CB scheme		SEMKO CB sheme	
Type of trip	Thermal magnetic release				Electro-Magnetic (NO-OCR)	
Electrical endurance (time)	6,000 operations		8,000 operations		6,000 operations	
Installation	35mm DIN rail				35mm DIN rail	
Width	17.8mm per pole				17.8mm per pole	
Type of terminal	Lug type (Cable up to 25mm ²)				Lug type (Cable up to 35mm ²)	
Operating I Δ n	Not applicable		Not applicable		30, 100, 300mA	
Non operating I Δ n	Not applicable		Not applicable		0.5 I Δ n	
Residual current off time	Not applicable		Not applicable		less 0.1 sec	
Rated making capacity(I _m)	Not applicable		Not applicable		500A for I _n =25,32,40A 630A for I _n =63A	
Alarm swich (optional)	 1 changeover contact 6A at 230VAC, 3A at 415VAC(AX) 6A at 230VAC, 3A at 415VAC(AL) 2A at 48VAC, 1A at 125VAC Lug terminal Cable capacity 2.5mm ² 9mm wide		Not applicable		Not applicable	
Dimension (mm)	