
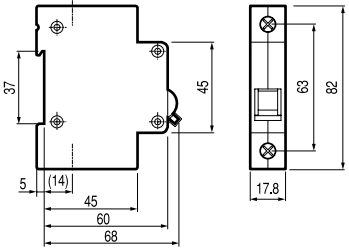
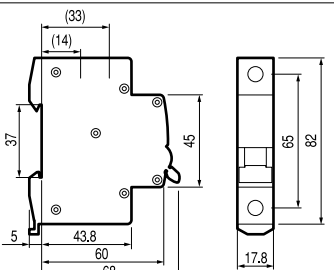


Miniature circuit breakers

1, 2, 3 and 4 Pole Series up to 125AF [IEC 60898, IEC 60947-2]

Type	BKN		BKN-b					
	Protection	Overload and short circuit		Overload and short circuit				
Rated current	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A		1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A					
Characteristic	B, C, D curve		B, C, D curve					
Poles	1p, 1p+N, 2p, 3p, 3p+N, 4p		1p, 1p+N, 2p, 3p, 3p+N, 4p					
Breaking capacity	1A	6kA at 230/400VAC	2~4pole	6kA at 400VAC	1pole	2~4pole	10kA at 230/400VAC	10kA at 400VAC
	2A							
	3A							
	4A							
	6A							
	10A							
	16A							
	20A							
	25A							
	32A							
	40A							
	50A							
	63A							
	80A							
100A								
125A								
Standard	IEC 60898		IEC 60898					
Approval	CCC, SABS, SEMKO CB		CCC [†] , KEMA CB, SABS, SEMKO CB, UL 1077 [†]					
Type of trip	Thermal magnetic release		Thermal magnetic release					
Electrical endurance	6000 operations		8000 operations					
Mount	On 35mm DIN rail		On 35mm DIN rail					
Width	17.8mm per pole		17.8mm per pole					
Terminal	Lug type(cable up to 25mm ²)		Lug type(cable up to 25mm ²)					
Auxiliary switch, AX & AL Optional	 <p>1 changeover contact 6A at 240VAC, 3A at 415VAC(AX) 6A at 230VAC, 3A at 415VAC(AL) 2A at 48VDC, 1A at 125VDC Lug terminal Cable capacity 2.5mm² 9mm wide</p>							
Dimension								
Characteristic curve	See page 43		See page 43					
Remarks			[†] UL 1077(240V 10kA)					



MCB			
BKH		BKP	BF-PLUG
Overload and short circuit		Overload and short circuit	Overload and short circuit
63, 80, 100A, 125A		3, 6, 10, 16, 20, 25, 32A	10, 15, 20, 30, 40, 50A
C, D curve		B, C, D curve	1P, 2P, 3P
1p, 2p, 3p, 3p+N, 4p		1p+N	1P, 2P, 3P
1pole	2~4pole		
		4.5kA at 230VAC	10kA at 120/240VAC
10kA at 230/400VAC	10kA at 400VAC		
IEC 60947-2		IEC 60898	IEC 60947-2
CCC, CQC CB†		CCC, CQC CB	
Thermal magnetic release		Thermal magnetic release	Thermal magnetic release
6000 operations		20000 operations	10, 000 operations
On 35mm DIN rail		On 35mm DIN rail	Plug-in
27mm per pole		9mm per pole	25mm per pole
Lug type(cable up to 50mm²)		Lug type(cable up to 10mm²)	Lug type (14-6 AWG.)
See page 43		See page 43	See page 47
IEC 60947-2 (SABS)			

Miniature circuit breakers

60mm depth miniature circuit breakers, BF Series [IEC 60947-2]

Type		BF-a	
Protection		Overload and short circuit	
Rated current		10, 15, 20, 30, 40, 50, 60, 75, 100A	
Poles		1P, 2P, 3P	
Breaking capacity		1P	2P, 3P
	6A	10kA at 240VAC	10kA at 240VAC 2.5kA at 415VAC
	10A		
	15A		
	20A		
	30A		
	40A		
	50A		
	60A		
	75A		
	100A		
Standard		IEC 60947-2	
Type of trip		Thermal magnetic release	
Electrical endurance		10, 000 operations	
Mount		Holder mounting	
Width		25mm per pole	
Terminal		Clamp type	
Auxiliary switch, AX & AL Optional			
Dimension			
Characteristic curve		See page 46	



BF-Series

BF-c		BF	BFa-LUG
Overload and short circuit		Overload and short circuit	Overload and short circuit
10, 15, 20, 30, 40, 50, 60, 75, 100A		6, 10, 15, 20, 30, 40, 50A	10, 15, 20, 30, 40, 50, 60, 75, 100A
1P, 2P, 3P		1P, 2P	3P
1P	2P, 3P	1P, 2P	3P
5kA at 240VAC	5kA at 240VAC 2.5kA at 415VAC	2.5kA at 240VAC	10kA at 240VAC 2.5kA at 415VAC
IEC 60947-2		IEC 60947-2	IEC 60947-2
Thermal magnetic release		Thermal magnetic release	Thermal magnetic release
10, 000 operations		10, 000 operations	10, 000 operations
Holder mounting		Holder mounting	Holder mounting
25mm per pole		25mm per pole	75mm
Clamp type		Clamp type	Lug type (14-1 AWG.)
See page 46		See page 46	See page 46