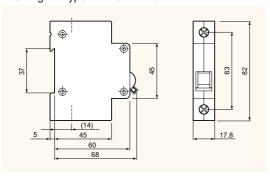
Miniature circuit breakers

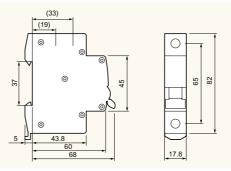
1, 2, 3 and 4 pole series up to 125AF

-	МСВ					
Туре	BKN	BKN-c	BKN	-b		
Protection	Overload and short circu	uit	Overload and short cir	cuit		
Rated current	1, 2, 3, 4, 6, 10, 16, 20, 2	5, 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+l	N, 4p		
Breaking capacity	1pole	2~4pole	1pole	2~4pole		
	1A~63A 6kA at 230/400VAC	1A~63A 6kA at 400VAC	1A~63A 10kA at 240/415VAC	1A~63A 10kA at 415VAC		
Standard	IEC 60898/60947-2		IEC 60898/60947-2			
Type of trip	Thermal magnetic relea	se	Thermal magnetic rele	ease		
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 25mm²)	Dual type(Lug & Screw)	Lug type(cable up to 2	5mm²)		
Auxiliary switch, AX		geover contact 40VAC, 3A at 415VAC(AX)		angeover contact 240VAC, 3A at 415VAC(AX/AL)		
Optional	6A at 2 2A at 4 Lug te Cable o	6Δ at 230VΔC, 3Δ at 415VΔC(ΔL)		6A at 24VDC, 2A at 48VDC, 1A at 130VDC Lug terminal cable capacity 0.75~2.5mm² 8.8mm wide		
Dimension	See drawing 1		See drawing 2			
Characteristic curve	See curve 1		See curve 1			

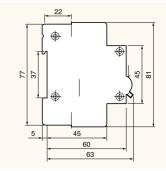
Drawing 1 : Type BKN & BKN-c



Drawing 2: Type BKN-b



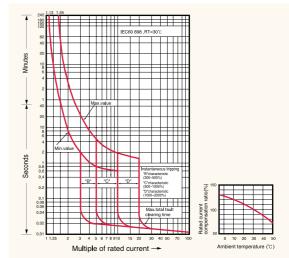
Drawing 3 : Type BKH



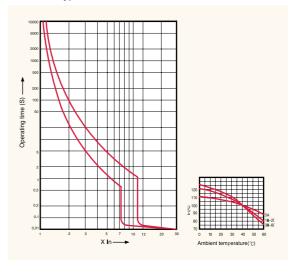


		MCB	
ВІ	KH	ВКР	BFN
Overload and short circuit		Overload and short circuit	Overload and short circuit
63, 80, 100A, 125A		3, 6, 10, 16, 20, 25, 32A	5, 10, 15, 20, 30, 40, 50A
C, D curve		B, C, D curve	1P, 2P, 3P
1p, 2p, 3p, 3p-	+N, 4p	1p+N	1P, 2P, 3P
1pole	2~4pole		
63A~125A 10kA at 230/400VAC	63A~125A 10kA at 400VAC	3A~32A 4.5kA at 230VAC	5A~50A 10kA at 220/240VAC
IEC 60947-2		IEC 60898	IEC 60947-2
Thermal magr	netic release	Thermal magnetic release	Thermal magnetic release
6000 operations		20000 operations	10000 operations
On 35mm DIN	l rail	On 35mm DIN rail	Plug-in
27mm per pole		17.8mm per pole	25mm per pole
Lug type(cable up to 50mm²)		Lug type(cable up to 10mm²)	Lug type (14-6 AWG.)
See drawing 3	3	See drawing 4	See drawing 5
See curve 1		See curve 1	See curve 2

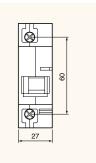
Curve 1: Type BKN, BKN-b, BKN-c, BKH, BKP, RKP, RKS

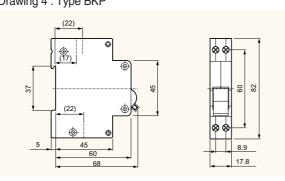


Curve 2 : Type BFN

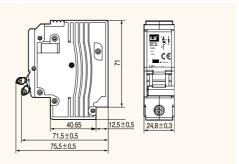


Drawing 4 : Type BKP





Drawing 5 : Type BFN



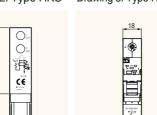
Residual current circuit breakers

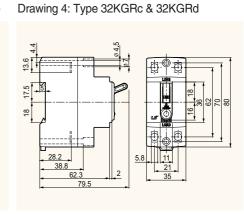
2 and 4 pole series up to 63AF

_	RCBO						
Туре	RKP	RKS	RKS-b	32KGRc	32KGRd	32GRhc	32GRhd
Protection	Ground fault and overcurrent	Ground fault and	lovercurrent	Ground fault and	overcurrent	Ground fault and	d overcurrent
Rated current, In	3(C,D),6,10,16,20,25,32A	6, 10, 16, 20, 25	, 32A	15, 20, 30A		15, 20, 30A	
	(B,C,D curve)	(B, C curve)					
Rated residual current							
Operating, I△n	30, 100, 300mA(non-adjustable)	30, 100mA(non-	adjustable)	15, 30mA(non-ad	djustable)	15, 30mA(non-a	djustable)
Non-operating, I△no	0.5l△n	0.5l△n		0.5l△n		0.5l△n	
Number of poles	1P+N	1P+N		2 pole		2 pole	
Rated voltage	230VAC	230VAC		110/220VAC		110/220VAC	
Residual current off-time	≤0.1 sec.	≤0.3 sec.		≤0.03 sec.		≤0.03 sec.	
Standard	IEC 61009	IEC 61009		KS		KS	
Type of trip							
Ground fault	Electronic	Electronic		Electronic		Electronic	
Overcurrent	Thermal-magnetic	Thermal-magnet	tic	Bimetallic		Bimetallic	
Breaking capacity	4.5kA	10kA		1.5kA	2.5kA	1.5kA	2.5kA
Conditional short							
circuit capacity	-	-		-		-	
Electrical endurance	20000 operations	≤ 4000 operation	ns	6000 operations		6000 operations	1
Mount	On 35mm DIN rail	On 35mm DIN ra	ail	On 35mm DIN ra	il / Screw	On 35mm DIN r	ail / Screw
Width	35.6mm	18mm		35mm		33mm	
Terminal	Lug type (cable up to 10mm²)	Lug type (cable i	up to 10mm²)	Screw clamp type (cable up to 5.5mm²)	Screw clamp typ	pe (cable up to 5.5mm²)
Type of operation	-	-		-		-	
Dimension	See drawing 1	See drawing 2	See drawing 3	See drawing 4		See drawing 5	
Characteristic curve	See page 5(Curve 1)	See page 5(Cun	ve 1)	Curve 3		Curve 4	

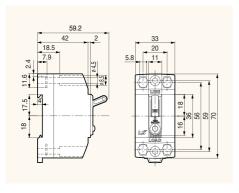
Drawing 1: Type RKP

Drawing 2: Type RKS Drawing 3: Type RKS-b

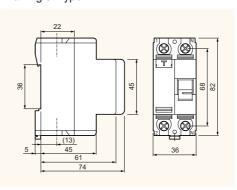




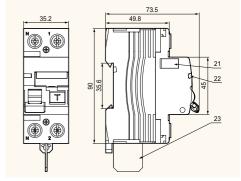
Drawing 5: Type 32GRhc & 32GRhd



Drawing 6: Type RKN



Drawing 7: Type RKN-b

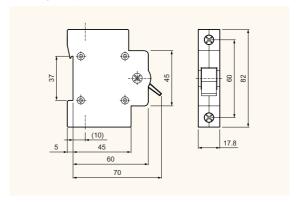




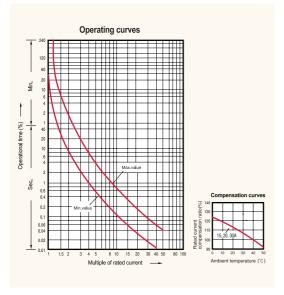
RC	RCCB				
RKN	RKN-b				
Ground fault					
25, 32, 40, 63A	25, 32, 40, 63, 80, 100A				
30, 100, 300mA(non-adjustable)					
0.5l△n	0.5l△n				
1P+N, 3P+N	1P+N, 3P+N				
230VAC(1P+N), 230/415VAC(3P	P+N)				
≤0.1 sec.					
IEC 61008					
Electro-magnetic					
N.A					
-					
6kA	10kA				
6000 operations					
On 35mm DIN rail					
18mm					
Lug type (cable up to 35mm²)					
A/AC					
See drawing 6	See drawing 7				
-					

Isolator			
Туре		BKD	
Rated current, In		40, 50, 63, 80, 100, 125A	
Number of poles		1p, 2p, 3p, 4p	
Rated voltage		240/415VAC	
Standard		IEC 60947-3	
Electrical	40, 50, 63A	20000 operations	
endurance	80, 100, 125A	10000 operations	
Mount		On 35mm DIN rail	
Width		17.8mm per pole	
Terminal		Lug type(cable up to 50mm²)	
Dimension		See drawing 8	

Drawing 8: Type BKD



Curve 3: Type 32KGRc, 32KGRd



Curve 4: Type 32GRhc, 32GRhd

