

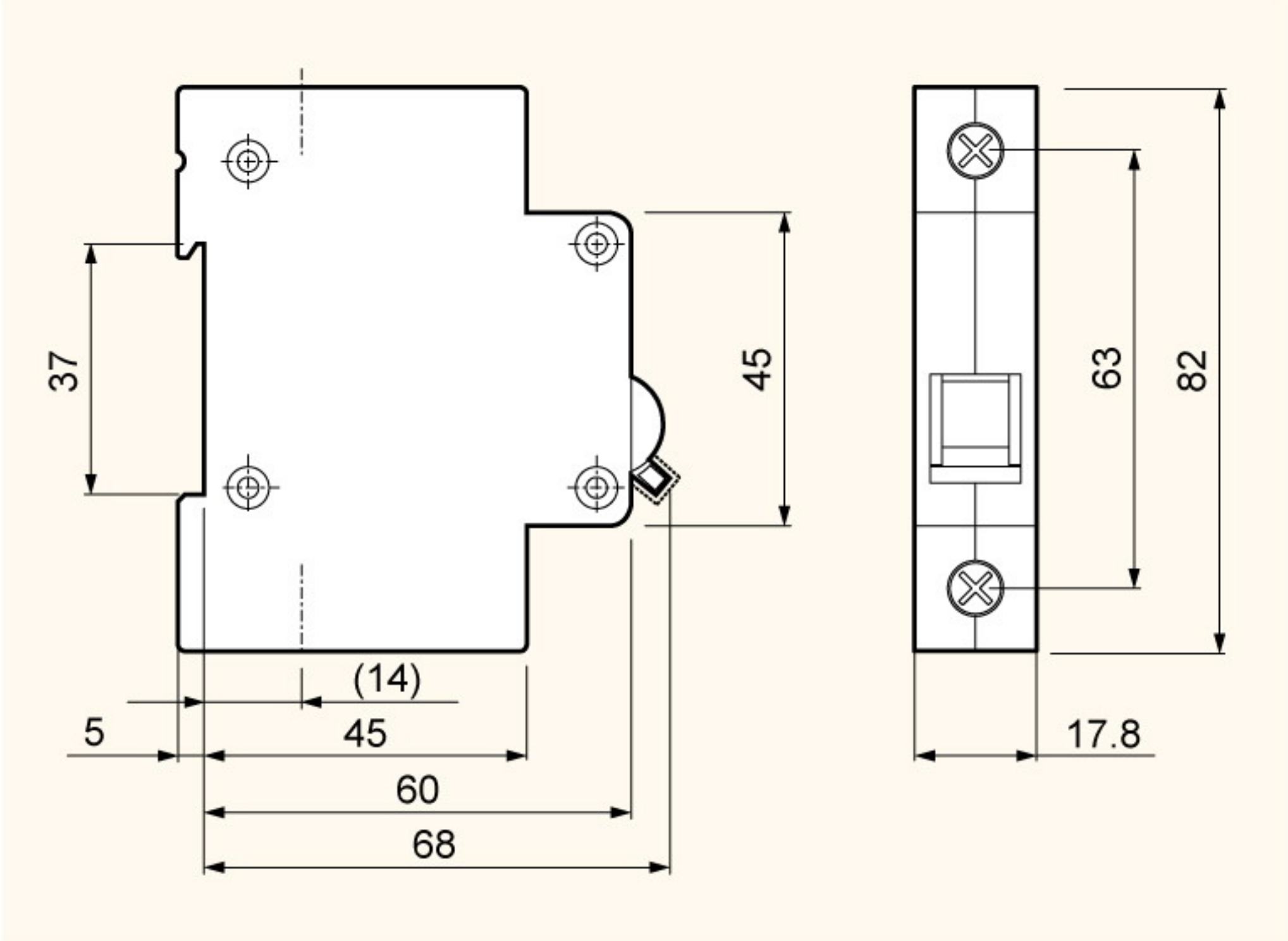


Miniature circuit breakers

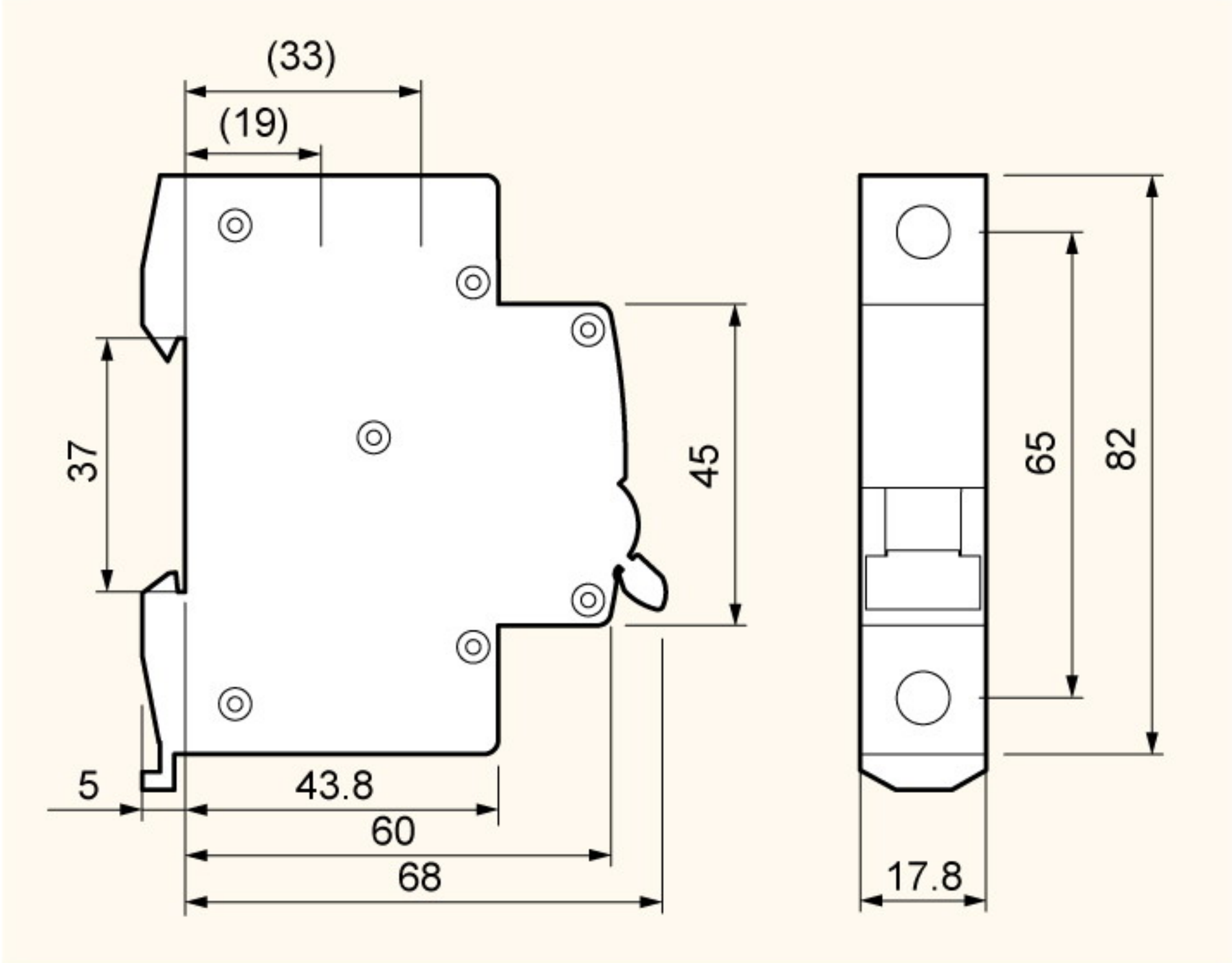
1, 2, 3 and 4 pole series up to 125AF

Type	MCB			
	BKN	BKN-c	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	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	
Approval	CCC, SABS, SEMKO CB		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)	Dual type(Lug & Screw)	Lug type(cable up to 25mm ²)	
Auxiliary switch, AX 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 <i>*Only for BKN</i></p>		 <p>1 changeover contact 6A at 240VAC, 3A at 415VAC(AX/AL) 6A at 24VDC, 2A at 48VDC, 1A at 130VDC Lug terminal cable capacity 0.75~2.5mm² 8.8mm wide</p>	
Dimension	See drawing 1		See drawing 2	
Characteristic curve	See curve 1		See curve 1	

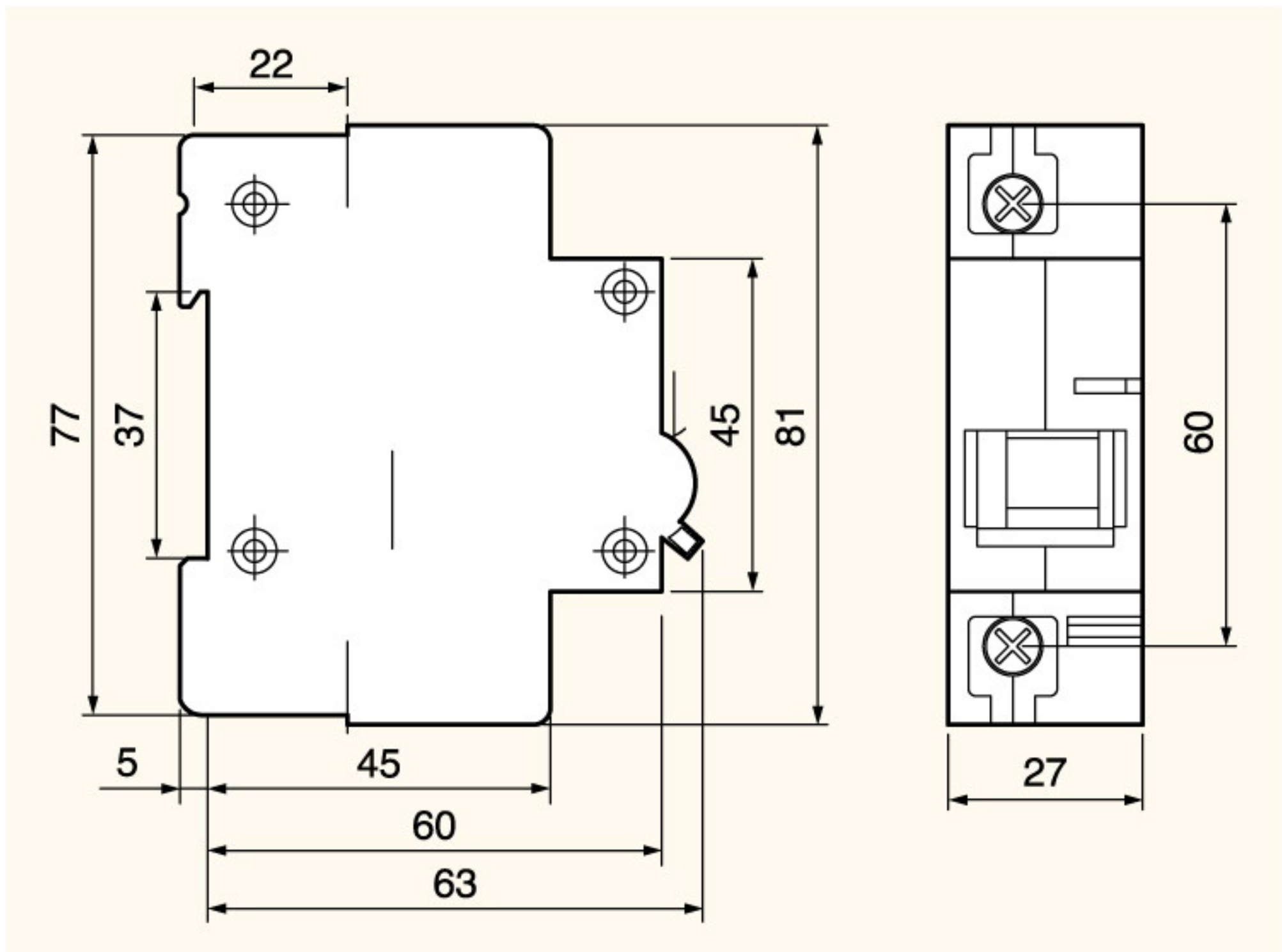
Drawing 1 : Type BKN & BKN-c



Drawing 2 : Type BKN-b



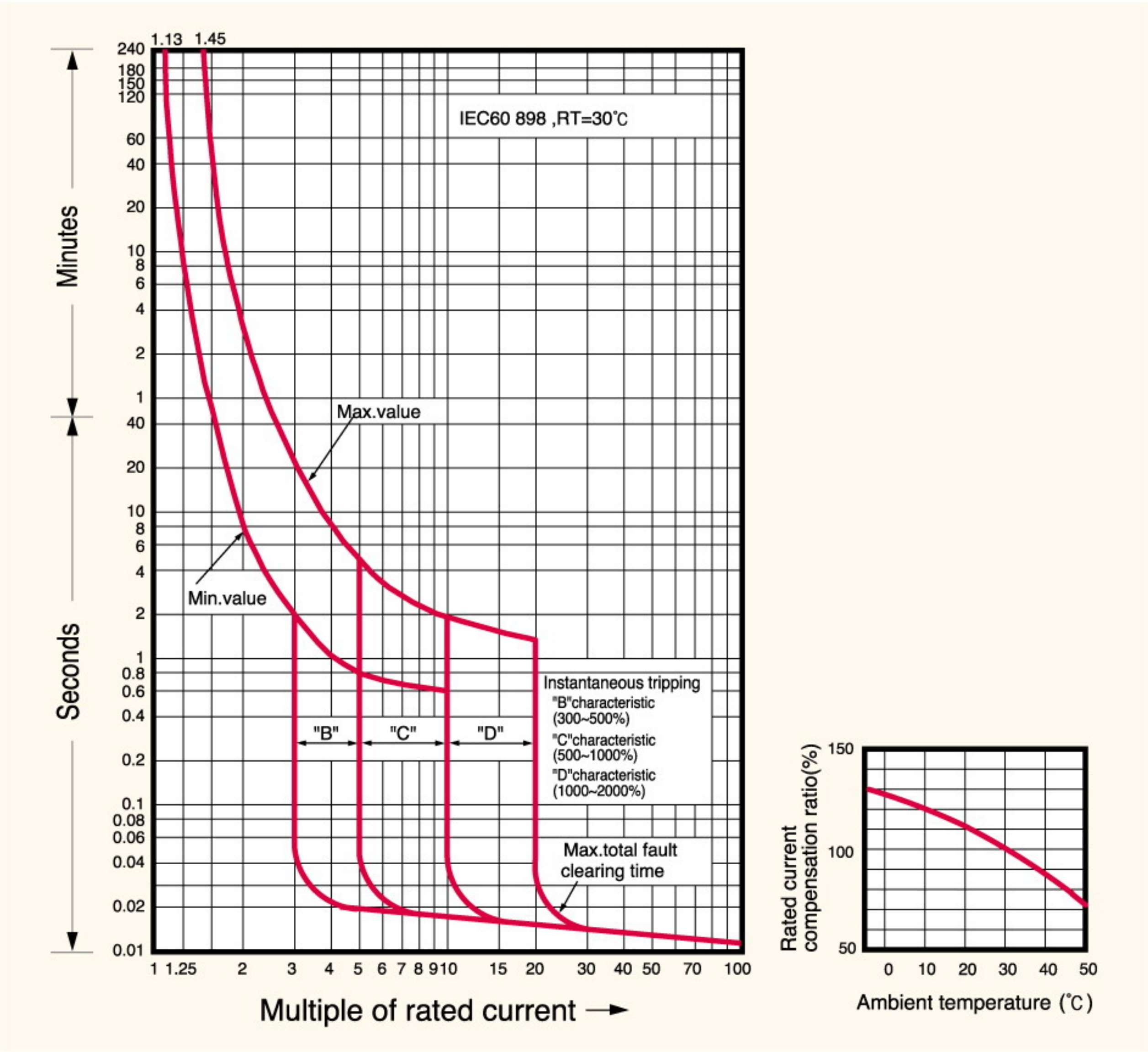
Drawing 3 : Type BKH



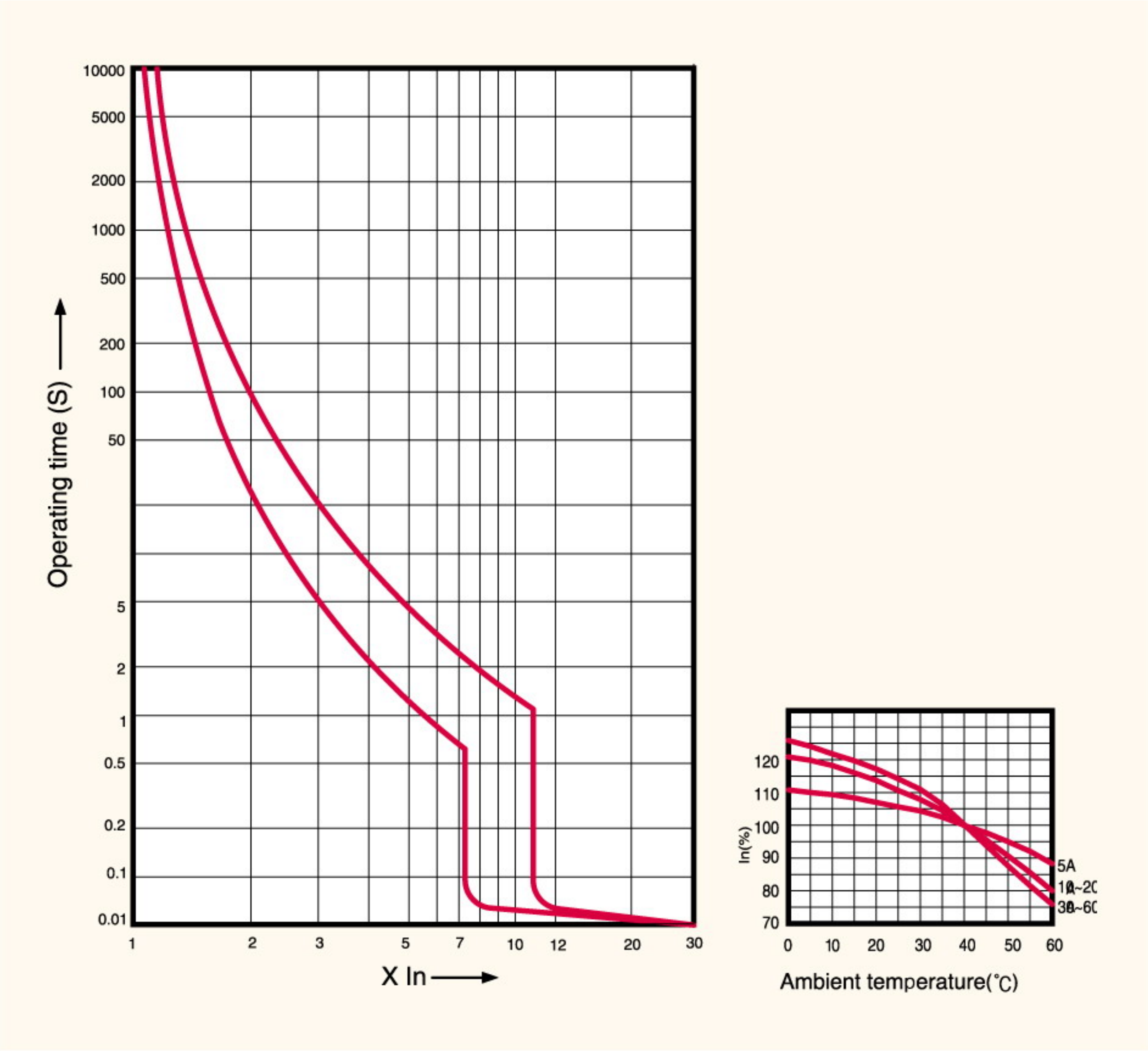


MCB							
BKH		BKP		BF-a	BF-c	BFN	
Overload and short circuit		Overload and short circuit		Overload and short circuit		Overload and short circuit	
63, 80, 100A, 125A		3, 6, 10, 16, 20, 25, 32A		10~100A		5, 10, 15, 20, 30, 40, 50A	
C, D curve		B, C, D curve					
1p, 2p, 3p, 3p+N, 4p		1p+N		1P, 2P, 3P		1P, 2P, 3P	
1pole	2~4pole					1pole	2~3pole
63A~125A	63A~125A	3A~32A	10A~100A	10A~100A	5A~50A	5A~50A	5A~50A
10kA at 230/400VAC	10kA at 400VAC	4.5kA at 230VAC	10kA at 240VAC	5kA at 240VAC	10kA at 230VAC	10kA at 400VAC	10kA at 400VAC
			2.5kA at 415VAC	2.5kA at 415VAC			
IEC 60947-2		IEC 60898		IEC 60947-2		IEC 60947-2	
CCC, CQC CB [†]		CCC, CQC CB				SEMKO	
Thermal magnetic release		Thermal magnetic release		Thermal magnetic release		Thermal magnetic release	
6000 operations		20000 operations		10000 operations		10000 operations	
On 35mm DIN rail		On 35mm DIN rail		Holder mounting (Bolt on with fixing brackets)		Plug-in	
27mm per pole		17.8mm per pole		25mm per pole		25mm per pole	
Lug type(cable up to 50mm ²)		Lug type(cable up to 10mm ²)		Clamp type		Lug type (14-6 AWG.)	
See drawing 3		See drawing 4		See drawing 5		See drawing 6	
See curve 1		See curve 1		-		See curve 2	

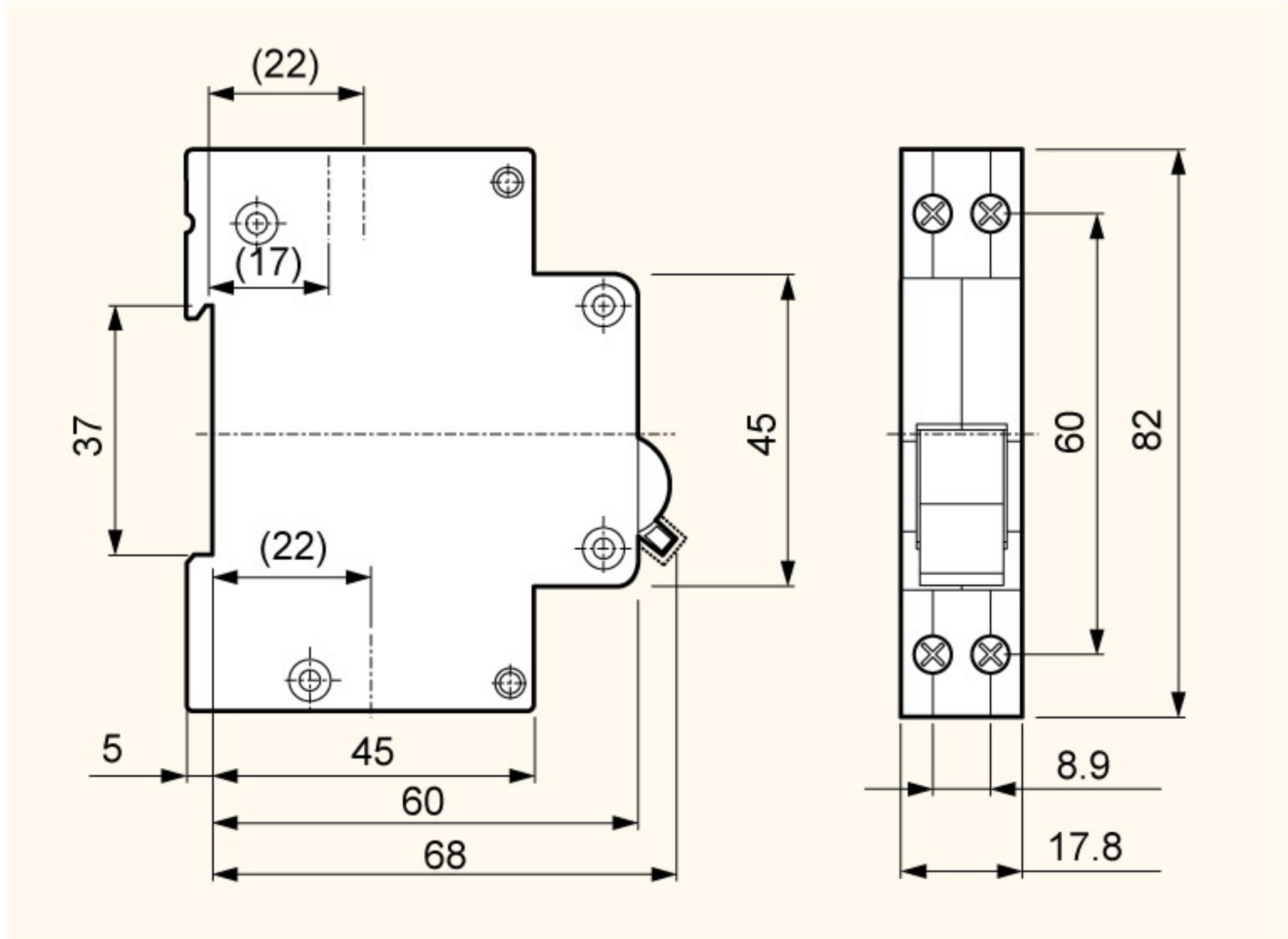
Curve 1 : Type BKN, BKN-b, BKN-c, BKH, BKP, RKP, RKS



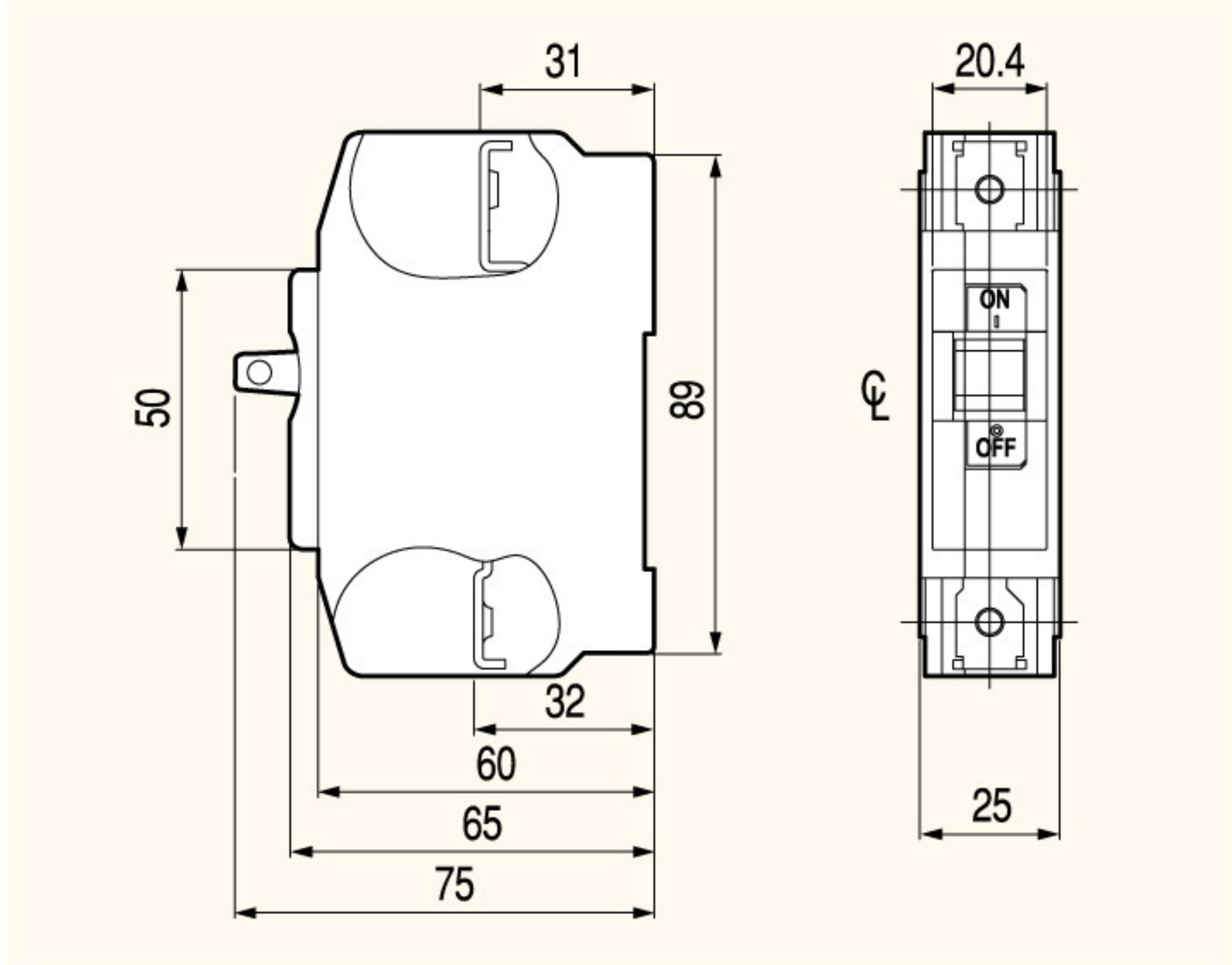
Curve 2 : Type BFN



Drawing 4 : Type BKP



Drawing 5 : Type BF-a, BF-c



Drawing 6 : Type BFN

