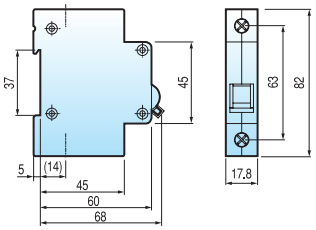
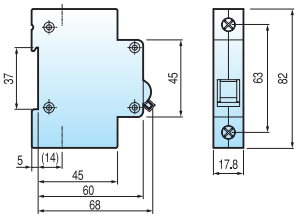
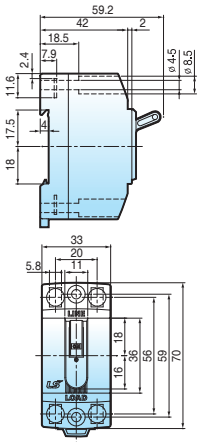
1, 2, 3 and 4pole series up to 125AF [IEC 60898-1, IEC 60947-2]

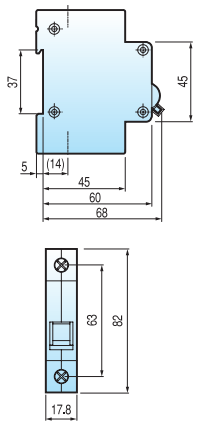
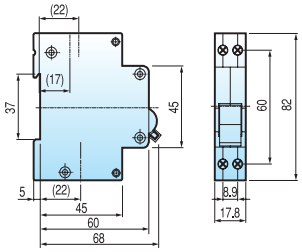
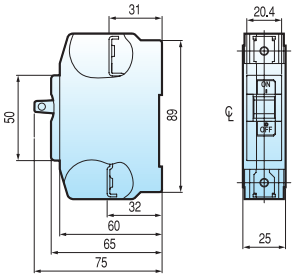
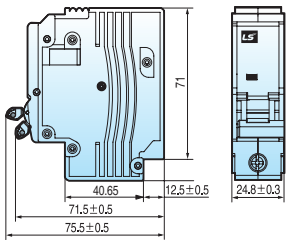





Type		MCB					
		BKN	BKN-c	BKN-b		BS32c	BS32d
Protection		Overload and short circuit		Overload and short circuit		Overload and short circuit	
Rated current		1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A		1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A		6, 10, 15, 20, 30A	10, 15, 20, 30A
Characteristic		B, C, D curve	B, C, curve	B, C, D curve		-	-
Poles		1P, 1P+N, 2P, 3P, 3P+N, 4P	1P, 2P, 3P, 4P	1P, 1P+N, 2P, 3P, 3P+N, 4P		-	-
Breaking capacity		1pole	2~4pole	1pole	2~4pole	2pole	
		1A ~ 63A 6kA at 230/400VAC	1A ~ 63A 6kA at 400VAC	1A ~ 63A 10kA at 240/415VAC	1A ~ 63A 10kA at 415VAC	1.5kA	2.5kA
Standard		IEC 60898-1		IEC 60898-1		IEC 60898-1, KS	
Approval		CCC, SABS, SEMKO CB	SEMKO CB	KEMA CB, SABS, CE		CCC	-
Type of trip		Thermal magnetic release		Thermal magnetic release		-	-
Endurance	Electrical	4,000 operations		4,000 operations		4,000 operations	
	Mechanical	10,000 operations		10,000 operations		10,000 operations	
Mount		On 35mm DIN rail		On 35mm DIN rail		DIN rail / Screw	
Width		17.8mm per pole		17.8mm per pole		33mm per pole	
Terminal		Lug type (Cable up to 25mm²)	Dual type (Lug & Screw)	Lug type (Cable up to 25mm²)		Screw clamp type (Cable up to 5.5mm²)	
Auxiliary switch, AX & AL Optional		 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 *Only for BKN		 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			
Dimension							
Characteristic curve		See page 45		See page 45		-	
Remarks		-		-		-	





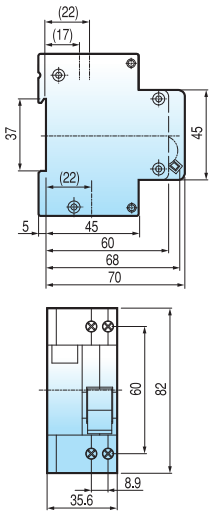
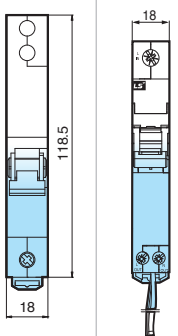
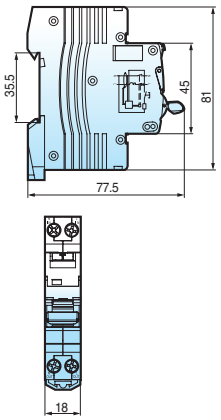
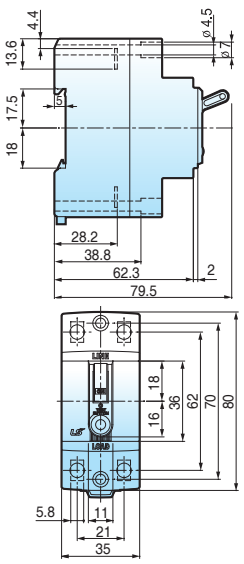

	MCB					
	BKH		BKP	BF-a	BF-c	BFN	
	Overload and short circuit		Overload and short circuit	Overload and short circuit		Overload and short circuit	
	63, 80, 100, 125A		3, 6, 10, 16, 20, 25, 32A	10~100A		5, 10, 15, 20, 30, 40, 50A	
	C, D curve		B, C, D curve	–		–	
	1P, 2P, 3P, 3P+N, 4P		1P+N	1p, 2p, 3p		1p, 2p, 3p	
	1pole	2~4pole	–	–		1pole	2~3pole
	63A ~ 125A 10kA at 230VAC	63A ~ 125A 10kA at 400VAC	3A ~ 32A 4.5kA at 230VAC	10A~100A 10kA at 240VAC 2.5kA at 415VAC	10A~100A 5kA at 240VAC 2.5kA at 415VAC	5A~50A 10kA at 230VAC	5A~50A 10kA at 400VAC
	IEC 60947-2		IEC 60898-1	IEC 60947-2		IEC 60947-2	
	CCC, SEMKO CB, SABS, CE		CCC, SEMKO CB, SABS, CE	–		SEMKO CB, CE	
	Thermal magnetic release		Thermal magnetic release	Thermal magnetic release		Thermal magnetic release	
	1,500 operations		4,000 operations	1,500 operations		1,500 operations	
	10,000 operations		10,000 operations	10,000 operations		10,000 operations	
	On 35mm DIN rail		On 35mm DIN rail	Holder mounting (Bolt on with fixing brackets)		Plug-in	
	27mm per pole		17.8mm	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 page 45		See page 45	See page 46		See page 47	
	IEC 60947-2 (SABS)		–	–		–	

Residual Current Circuit Breakers

1, 2 and 4pole series up to 125AF



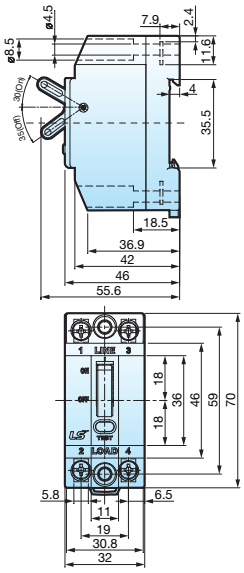
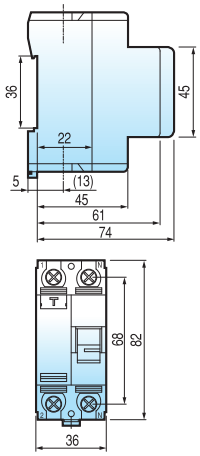
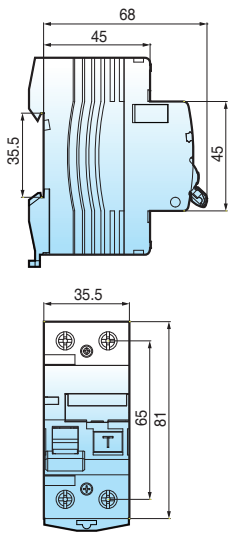



Type		RCBO					
		RKP	RKS	RKS-b	RKC	32KGRc	32KGRd
Protection		Ground fault and overcurrent	Ground fault and overcurrent		Ground fault and overcurrent	Ground fault and overcurrent	
Rated current		3 (C, D curve), 6, 10, 16, 20, 25, 32A (B, C, D curve)	6,10,16,20,25,32A (40,50A) * (B, C curve)		6, 10, 16, 20, 25, 32A (B, C curve)	15, 20, 30A	
Rated residual current		–	–		–	–	
	Operating, I△n	30, 100, 300mA (Non-adjustable)	30, 100mA (Non-adjustable)		10, 30mA (Non-adjustable)	15, 30mA (Non-adjustable)	
	Non-operating, I△no	0.5I△n	0.5I△n		0.5I△n	0.5I△n	
Poles		1P+N	1P+N		1P+N	2pole	
Rated voltage		230VAC	230VAC	240VAC	240VAC	110/240VAC	
Residual current off-time		≤0.1 sec.	≤0.3 sec.		≤0.1 sec	≤0.03 sec	
Standard		IEC 61009	IEC 61009		IEC 61009	IEC 61009, KS	
Approval		CCC, SEMKO CB, CE, SABS	SEMKO CB, CE, SABS	SEMKO CB, CE	SEMKO CB, CE	CCC	
Type of trip		–	–		–	–	
	Ground fault	Electronic	Electronic		Electronic	Electronic	
	Overcurrent	Thermal-magnetic	Thermal-magnetic		Thermal-magnetic	Bimetallic	
Breaking capacity		4.5kA	10kA		6kA (32A 4.5kA)	1.5kA	2.5kA
Conditional short circuit capacity		–	–		–	–	
Endurance	Electrical	4,000 operations	4,000 operations		4,000 operations	4,000 operations	
	Mechanical	10,000 operations	10,000 operations		10,000 operations	10,000 operations	
Mount		On 35mm DIN rail	On 35mm DIN rail		On 35mm DIN rail	On 35mm DIN rail / Screw	
Width		35.6mm	18mm		18mm	35mm	
Terminal		Lug type (Cable up to 10mm^2)	Lug type (Cable up to 10mm^2)		Lug type (Cable up to 10mm^2)	Screw clamp type (Cable up to 5.5mm^2)	
Type of operation		AC	AC		A/AC	–	
Dimension							
Characteristic curve		See page 45	See page 45		–	–	

* 40, 50A are availible only for RKS-b






	RCCB						Isolator
	32GRh			RKN	RKN-b		BKD
	Ground fault and overcurrent			Ground fault			–
	N type	S type	H type	25, 32, 40, 63A	63AF	100AF	40, 50, 63, 80, 100, 125A
	15, 20, 30A				25, 40, 63A	80, 100A	
	–			–	–		–
	15, 30mA (Non-adjustable)			30, 100, 300mA (Non-adjustable)			–
	0.5I△n			0.5I△n			–
	2pole			1P+N, 3P+N			1p, 2p, 3p, 4p
	110/220/230VAC			240VAC (1P+N), 240/415V (3P+N)			230/400VAC
	≤0.03 sec			≤0.1 sec			–
	CB(IEC60947/IEC61009-1)			IEC 61008			IEC 60947-3
	–			SEMKO CB, CE, SABS, CCC	SEMKO CB, CE, SABS		SABS, SEMKO CB
	–			–	–		–
	Electronic			Electro-magnetic			–
	Bimetallic			N.A			–
	1.5kA	2.5kA	3.5kA	–			–
	–			6kA	10kA		–
	4,000 operations			4,000 operations			1,500 operations (125A 1,000 operations)
	10,000 operations			10,000 operations			10,000 operations
	On 35mm DIN rail / Screw			On 35mm DIN rail			On 35mm DIN rail
	32mm			–			17.8mm per pole
	Screw clamp type (Cable up to 5.5mm^2)			Lug type (Cable up to 35mm^2)			Lug type (Cable up to 50mm^2)
	—			A/AC	A/AC	AC	–
							
	–			–	–		