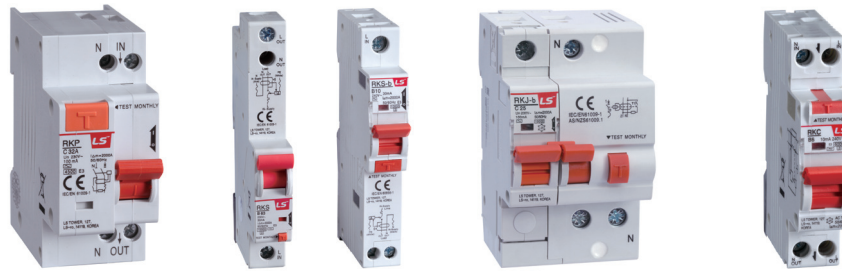
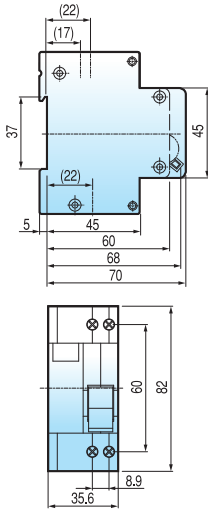
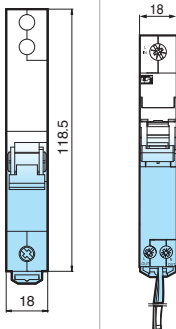
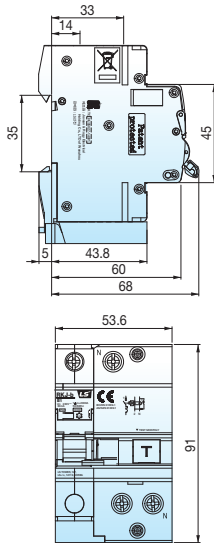
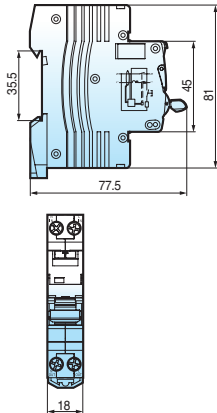


Residual Current Circuit Breakers

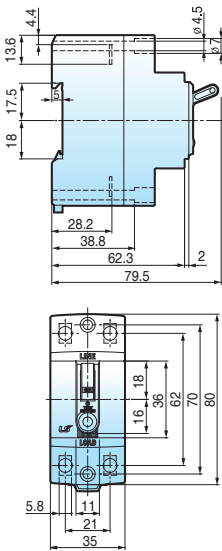
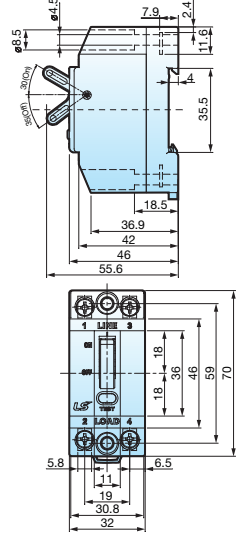
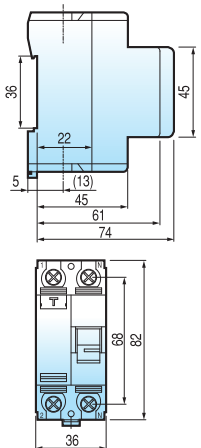
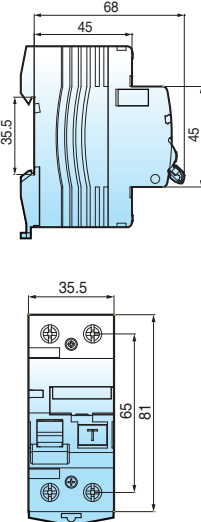
1, 2 and 4pole series up to 125AF



Type	RCBO					
	RKP	RKS	RKS-b	RKJ	RKJ-b	RKC
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)		1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63(B, C, D curve)		6, 10, 16, 20, 25, 32A (B, C curve)
Rated residual current	-	-		-		-
Operating, I Δ n	30, 100, 300mA (Non-adjustable)	30, 100mA (Non-adjustable)		30, 100, 300mA (Non-adjustable)		10, 30mA (Non-adjustable)
Non-operating, I Δ no	0.5I Δ n	0.5I Δ n		0.5I Δ n		0.5I Δ n
Poles	1P+N	1P+N		1P+N, 2P, 3P, 3P+N, 4P		1P+N
Rated voltage	230VAC	230VAC	240VAC	230VAC		240VAC
Residual current off-time	≤0.1 sec.	≤0.3 sec.		≤0.1 sec.		≤0.1 sec
Standard	IEC 61009	IEC 61009		IEC61009-1		IEC 61009
Approval	CCC, SEMKO CB, CE, SABS	SEMKO CB, CE, SABS	SEMKO CB, CE	SEMKO CB		SEMKO CB, CE
Type of trip	-	-		-		-
Ground fault	Electronic	Electronic		Electro-magnetic		Electronic
Overcurrent	Thermal-magnetic	Thermal-magnetic		Thermal-magnetic		Thermal-magnetic
Breaking capacity	4.5kA	10kA		6kA	10kA	6kA (32A 4.5kA)
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
Width	35.6mm	18mm		17.8mm		18mm
Terminal	Lug type (Cable up to 10mm ²)	Lug type (Cable up to 10mm ²)		Lug type (Cable up to 25mm ²)		Lug type (Cable up to 10mm ²)
Type of operation	AC	AC		A/AC		A/AC
Dimension						
Characteristic curve	See page 52	See page 52				-

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



	RCBO					RCCB			Isolator	
	32KGRc	32KGRd	32GRh			RKN	RKN-b		BKD	
	Ground fault and overcurrent		Ground fault and overcurrent			Ground fault			-	
	15, 20, 30A		N type	S type	H type	25, 32, 40, 63A		63AF 25, 40, 63A	100AF 80, 100A	40, 50, 63, 80, 100, 125A
	-		-			-		-		-
	15, 30mA (Non-adjustable)		15, 30mA (Non-adjustable)			30, 100, 300mA (Non-adjustable)			-	
	0.5I Δ _n		0.5I Δ _n			0.5I Δ _n			-	
	2pole		2pole			1P+N, 3P+N			1p, 2p, 3p, 4p	
	110/240VAC		110/220/230VAC			240VAC (1P+N), 240/415V (3P+N)			230/400VAC	
	≤0.03 sec		≤0.03 sec			≤0.1 sec			-	
	IEC 61009, KS		CB(IEC60947/IEC61009-1)			IEC 61008			IEC 60947-3	
	CCC		-			SEMKO CB, CE, SABS, CCC		SEMKO CB, CE, SABS		SABS, SEMKO CB
	-		-			-		-		-
	Electronic		Electronic			Electro-magnetic			-	
	Bimetallic		Bimetallic			N.A			-	
	1.5kA	2.5kA	1.5kA	2.5kA	3.5kA	-			-	
	-		-			6kA	10kA		-	
	4,000 operations		4,000 operations			4,000 operations			1,500 operations (125A 1,000 operations)	
	10,000 operations		10,000 operations			10,000 operations			10,000 operations	
	On 35mm DIN rail / Screw		On 35mm DIN rail / Screw			On 35mm DIN rail			On 35mm DIN rail	
	35mm		32mm			-			17.8mm per pole	
	Screw clamp type (Cable up to 5.5mm ²)		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	-	
										
	-		-			-		-		-

Residual Current Circuit Breakers

DIN rail mounting

CE
Certificate



RKN type

Technical data

Standard	Confirming to IEC61008
Protection	Ground fault
Rated current	25, 32, 40, 63A
Number of poles	2 (1+N), 4 (3+N)pole
Rated sensitivity currents, $I_{\Delta n}$	30, 100, 300mA
Rated residual non-operating current	$0.5 \times I_{\Delta n}$
Rated voltage	2pole: 240VAC 4pole: 240/415VAC
Residual current off-time at $I_{\Delta n}$	$\leq 0.1s$
Rated insulation voltage [U_i]	500V
Rated impulse withstand voltage [U_{imp}]	4kV
Rated making capacity, I_m	500A for $I_n=25, 32, 40A$ 630A for $I_n=63A$
Rated conditional short-circuit current, I_{nc}	6kA for $I_n=25, 32, 40, 63A$
Type of trip	Electro-magnetic
Type of terminal	Lug type
Terminal capacity	Cables up to 35mm ²
Installation	35mm DIN rail
Type of operation	A/AC
Slot size	45mm

Order No.

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Pole	I_n	$I_{\Delta n}$	Model	Order No.	Pack. unit (Pcs.)
1P+N	25A	30mA	RKN 1P+N 25A 30mA	06220103R0	60
			RKN 1P+N 32A 30mA	06220106R0	60
			RKN 1P+N 40A 30mA	06220109R0	60
			RKN 1P+N 63A 30mA	06220112R0	60
	32A	100mA	RKN 1P+N 25A 100mA	06220104R0	60
			RKN 1P+N 32A 100mA	06220107R0	60
			RKN 1P+N 40A 100mA	06220110R0	60
			RKN 1P+N 63A 100mA	06220113R0	60
	40A	300mA	RKN 1P+N 25A 300mA	06220105R0	60
			RKN 1P+N 32A 300mA	06220108R0	60
			RKN 1P+N 40A 300mA	06220111R0	60
			RKN 1P+N 63A 300mA	06220114R0	60

Pole	I_n	$I_{\Delta n}$	Model	Order No.	Pack. unit (Pcs.)
3P+N	25A	30mA	RKN 3P+N 25A 30mA	06240013R0	30
			RKN 3P+N 32A 30mA	06240016R0	30
			RKN 3P+N 40A 30mA	06240019R0	30
			RKN 3P+N 63A 30mA	06240022R0	30
	32A	100mA	RKN 3P+N 25A 100mA	06240014R0	30
			RKN 3P+N 32A 100mA	06240017R0	30
			RKN 3P+N 40A 100mA	06240020R0	30
			RKN 3P+N 63A 100mA	06240023R0	30
	40A	300mA	RKN 3P+N 25A 300mA	06240015R0	30
			RKN 3P+N 32A 300mA	06240018R0	30
			RKN 3P+N 40A 300mA	06240021R0	30
			RKN 3P+N 63A 300mA	06240024R0	30

RKN type

Order No. A type



Pole	In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
1P+N	25A	30mA	RKN 1P+N 25A 30mA A type	06220444R0	60
	32A		RKN 1P+N 32A 30mA A type	06220447R0	60
	40A		RKN 1P+N 40A 30mA A type	06220450R0	60
	63A		RKN 1P+N 63A 30mA A type	06220453R0	60
	25A	100mA	RKN 1P+N 25A 100mA A type	06220445R0	60
	32A		RKN 1P+N 32A 100mA A type	06220448R0	60
	40A		RKN 1P+N 40A 100mA A type	06220451R0	60
	63A		RKN 1P+N 63A 100mA A type	06220454R0	60
	25A	300mA	RKN 1P+N 25A 300mA A type	06220446R0	60
	32A		RKN 1P+N 32A 300mA A type	06220449R0	60
	40A		RKN 1P+N 40A 300mA A type	06220452R0	60
	63A		RKN 1P+N 63A 300mA A type	06220455R0	60

Pole	In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
3P+N	25A	30mA	RKN 3P+N 25A 30mA A type	06220456R0	30
	32A		RKN 3P+N 32A 30mA A type	06220459R0	30
	40A		RKN 3P+N 40A 30mA A type	06220462R0	30
	63A		RKN 3P+N 63A 30mA A type	06220465R0	30
	25A	100mA	RKN 3P+N 25A 100mA A type	06220457R0	30
	32A		RKN 3P+N 32A 100mA A type	06220460R0	30
	40A		RKN 3P+N 40A 100mA A type	06220463R0	30
	63A		RKN 3P+N 63A 100mA A type	06220466R0	30
	25A	300mA	RKN 3P+N 25A 300mA A type	06220458R0	30
	32A		RKN 3P+N 32A 300mA A type	06220461R0	30
	40A		RKN 3P+N 40A 300mA A type	06220464R0	30
	63A		RKN 3P+N 63A 300mA A type	06220467R0	30