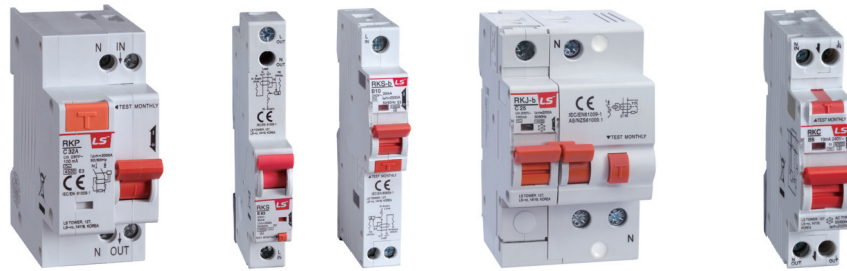


Residual Current Circuit Breakers

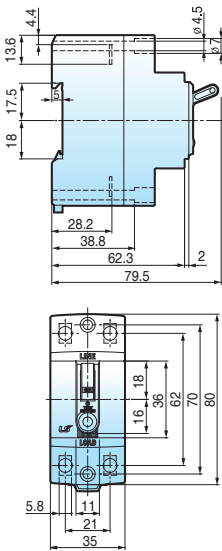
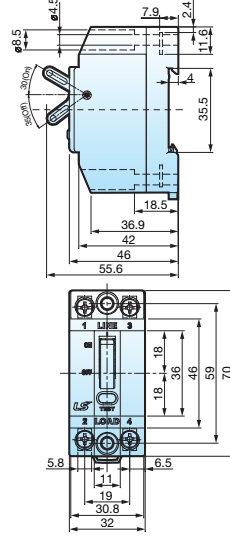
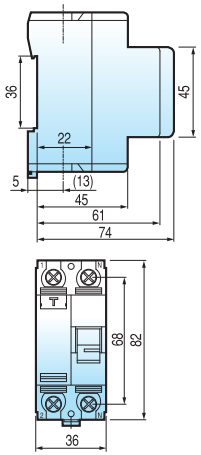
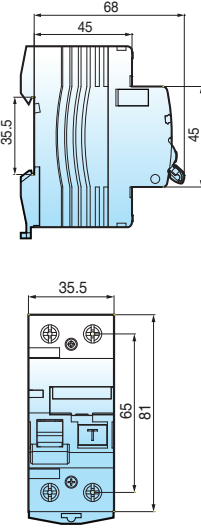
1, 2 and 4pole series up to 125AF



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, $I_{\Delta n}$	30, 100, 300mA (Non-adjustable)	30, 100mA (Non-adjustable)		30, 100, 300mA (Non-adjustable)		10, 30mA (Non-adjustable)
Non-operating, $I_{\Delta no}$	$0.5I_{\Delta n}$	$0.5I_{\Delta n}$		$0.5I_{\Delta n}$		$0.5I_{\Delta n}$
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	100AF	40, 50, 63, 80, 100, 125A
	-		15, 20, 30A			-		25, 40, 63A 80, 100A		-
	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 With Overcurrent protection

DIN rail mounting

Miniature Circuit Breakers &
Residual Current Devices

CE
Certificate



RKP 1P+N

RKP type

Technical data

Standard	IEC 61009	
Approval	CCC, SEMKO CB, CE, SABS	
Protection	Ground fault and overcurrent	
Rated current	3 (C, D curve), 6, 10, 16, 20, 25, 32A (B, C, D curve)	
Rated residual current	Operating, $I_{\Delta n}$	30, 100, 300mA (Non-adjustable)
	Non-operating, $I_{\Delta no}$	$0.5I_{\Delta n}$
Rated voltage	230VAC	
Breaking capacity	4.5kA	
Number of poles	1P+N	
Residual current off-time	≤ 0.1 sec.	
Rated insulation voltage [Ui]	500V	
Rated impulse withstand voltage [Uimp]	4kV	
Type of trip	Ground fault	Electronic
	Overcurrent	Thermal-magnetic
Electrical endurance	4,000 operations	
Mount	On 35mm DIN rail	
Width	9mm per pole	
Terminal	Lug type (Cable up to 10mm ²)	

RKP B curve

In	$I_{\Delta n}$	Model	Order No.	Pack. unit (Pcs.)
3A	30mA	Not applicable	Not applicable	Not applicable
	100mA	Not applicable	Not applicable	Not applicable
	300mA	Not applicable	Not applicable	Not applicable
6A	30mA	RKP 1P+N B6A 30mA	06220123R0	60
	100mA	RKP 1P+N B6A 100mA	06220124R0	60
	300mA	RKP 1P+N B6A 300mA	06220125R0	60
10A	30mA	RKP 1P+N B10A 30mA	06220127R0	60
	100mA	RKP 1P+N B10A 100mA	06220128R0	60
	300mA	RKP 1P+N B10A 300mA	06220129R0	60
16A	30mA	RKP 1P+N B16A 30mA	06220131R0	60
	100mA	RKP 1P+N B16A 100mA	06220132R0	60
	300mA	RKP 1P+N B16A 300mA	06220133R0	60
20A	30mA	RKP 1P+N B20A 30mA	06220135R0	60
	100mA	RKP 1P+N B20A 100mA	06220136R0	60
	300mA	RKP 1P+N B20A 300mA	06220137R0	60
25A	30mA	RKP 1P+N B25A 30mA	06220139R0	60
	100mA	RKP 1P+N B25A 100mA	06220140R0	60
	300mA	RKP 1P+N B25A 300mA	06220141R0	60
32A	30mA	RKP 1P+N B32A 30mA	06220143R0	60
	100mA	RKP 1P+N B32A 100mA	06220144R0	60
	300mA	RKP 1P+N B32A 300mA	06220145R0	60

Residual Current Circuit Breakers With Overcurrent Protection

DIN rail mounting



RKP 1P+N

RKP type

RKP C curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
3A	30mA	RKP 1P+N C3A 30mA	06220147R0	60
	100mA	RKP 1P+N C3A 100mA	06220148R0	60
	300mA	RKP 1P+N C3A 300mA	06220149R0	60
6A	30mA	RKP 1P+N C6A 30mA	06220151R0	60
	100mA	RKP 1P+N C6A 100mA	06220152R0	60
	300mA	RKP 1P+N C6A 300mA	06220153R0	60
10A	30mA	RKP 1P+N C10A 30mA	06220155R0	60
	100mA	RKP 1P+N C10A 100mA	06220156R0	60
	300mA	RKP 1P+N C10A 300mA	06220157R0	60
16A	30mA	RKP 1P+N C16A 30mA	06220159R0	60
	100mA	RKP 1P+N C16A 100mA	06220160R0	60
	300mA	RKP 1P+N C16A 300mA	06220161R0	60
20A	30mA	RKP 1P+N C20A 30mA	06220163R0	60
	100mA	RKP 1P+N C20A 100mA	06220164R0	60
	300mA	RKP 1P+N C20A 300mA	06220165R0	60
25A	30mA	RKP 1P+N C25A 30mA	06220167R0	60
	100mA	RKP 1P+N C25A 100mA	06220168R0	60
	300mA	RKP 1P+N C25A 300mA	06220169R0	60
32A	30mA	RKP 1P+N C32A 30mA	06220171R0	60
	100mA	RKP 1P+N C32A 100mA	06220172R0	60
	300mA	RKP 1P+N C32A 300mA	06220173R0	60



RKP D curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
3A	30mA	RKP 1P+N D3A 30mA	06220175R0	60
	100mA	RKP 1P+N D3A 100mA	06220176R0	60
	300mA	RKP 1P+N D3A 300mA	06220177R0	60
6A	30mA	RKP 1P+N D6A 30mA	06220179R0	60
	100mA	RKP 1P+N D6A 100mA	06220180R0	60
	300mA	RKP 1P+N D6A 300mA	06220181R0	60
10A	30mA	RKP 1P+N D10A 30mA	06220183R0	60
	100mA	RKP 1P+N D10A 100mA	06220184R0	60
	300mA	RKP 1P+N D10A 300mA	06220185R0	60
16A	30mA	RKP 1P+N D16A 30mA	06220187R0	60
	100mA	RKP 1P+N D16A 100mA	06220188R0	60
	300mA	RKP 1P+N D16A 300mA	06220189R0	60
20A	30mA	RKP 1P+N D10A 30mA	06220191R0	60
	100mA	RKP 1P+N D10A 100mA	06220192R0	60
	300mA	RKP 1P+N D10A 300mA	06220193R0	60
25A	30mA	RKP 1P+N D25A 30mA	06220195R0	60
	100mA	RKP 1P+N D25A 100mA	06220196R0	60
	300mA	RKP 1P+N D25A 300mA	06220197R0	60
32A	30mA	RKP 1P+N D32A 30mA	06220199R0	60
	100mA	RKP 1P+N D32A 100mA	06220200R0	60
	300mA	RKP 1P+N D32A 300mA	06220201R0	60





RKS 1+N

RKS type

Technical data

Standard	Confirming to IEC 61009
Approval	SEMKO CB, CE, SABS
Protection	Ground fault and overcurrent
Rated current	6, 10, 16, 20, 25, 32A
Rated voltage	230VAC
Breaking capacity	10kA
Characteristic	B, C curve
Rated residual operating current	30, 100mA
Number of poles	1P+N
Rated insulation voltage [Ui]	500V
Rated impulse withstand voltage [Uimp]	4kV
Type of trip	Ground fault Overcurrent
	Electronic Thermal-magnetic
Terminal	Lug type (Cables up to 10mm ²)
Mount	35mm DIN rail
Width	18mm
Electrical endurance	4,000 operations

RKS B curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	30mA	RKS 1P+N B6A 30mA	06220395R0	50
	100mA	RKS 1P+N B6A 100mA	06220396R0	50
10A	30mA	RKS 1P+N B10A 30mA	06220397R0	50
	100mA	RKS 1P+N B10A 100mA	06220398R0	50
16A	30mA	RKS 1P+N B16A 30mA	06220399R0	50
	100mA	RKS 1P+N B16A 100mA	06220400R0	50
20A	30mA	RKS 1P+N B20A 30mA	06220401R0	50
	100mA	RKS 1P+N B20A 100mA	06220402R0	50
25A	30mA	RKS 1P+N B25A 30mA	06220403R0	50
	100mA	RKS 1P+N B25A 100mA	06220404R0	50
32A	30mA	RKS 1P+N B32A 30mA	06220405R0	50
	100mA	RKS 1P+N B32A 100mA	06220406R0	50

RKS C curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	30mA	RKS 1P+N C6A 30mA	06220407R0	50
	100mA	RKS 1P+N C6A 100mA	06220408R0	50
10A	30mA	RKS 1P+N C10A 30mA	06220409R0	50
	100mA	RKS 1P+N C10A 100mA	06220410R0	50
16A	30mA	RKS 1P+N C16A 30mA	06220411R0	50
	100mA	RKS 1P+N C16A 100mA	06220412R0	50
20A	30mA	RKS 1P+N C20A 30mA	06220413R0	50
	100mA	RKS 1P+N C20A 100mA	06220414R0	50
25A	30mA	RKS 1P+N C25A 30mA	06220415R0	50
	100mA	RKS 1P+N C25A 100mA	06220416R0	50
32A	30mA	RKS 1P+N C32A 30mA	06220417R0	50
	100mA	RKS 1P+N C32A 100mA	06220418R0	50

Residual Current Circuit Breakers With Overcurrent Protection

DIN rail mounting



RKS-b 1+N

RKS-b type

Technical data

Standard	Confirming to IEC 61009
Approval	SEMKO CB, CE
Protection	Ground fault and overcurrent
Rated current	6, 10, 16, 20, 25, 32, 40, 50A
Rated voltage	240VAC
Breaking capacity	10kA
Characteristic	B, C curve
Rated residual operating current	30, 100mA
Number of poles	1P+N
Rated insulation voltage [Ui]	500V
Rated impulse withstand voltage [Uimp]	4kV
Type of trip	Ground fault Overcurrent
	Electronic Thermal-magnetic
Terminal	Lug type (Cables up to 10mm ²)
Mount	35mm DIN rail
Width	18mm
Electrical endurance	4,000 operations

RKS B curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	30mA	RKS-b 1P+N B6A 30mA	06220615R0	50
	100mA	RKS-b 1P+N B6A 100mA	06220616R0	50
10A	30mA	RKS-b 1P+N B10A 30mA	06220617R0	50
	100mA	RKS-b 1P+N B10A 100mA	06220618R0	50
16A	30mA	RKS-b 1P+N B16A 30mA	06220619R0	50
	100mA	RKS-b 1P+N B16A 100mA	06220620R0	50
20A	30mA	RKS-b 1P+N B20A 30mA	06220621R0	50
	100mA	RKS-b 1P+N B20A 100mA	06220622R0	50
25A	30mA	RKS-b 1P+N B25A 30mA	06220623R0	50
	100mA	RKS-b 1P+N B25A 100mA	06220624R0	50
32A	30mA	RKS-b 1P+N B32A 30mA	06220625R0	50
	100mA	RKS-b 1P+N B32A 100mA	06220626R0	50
40A	30mA	RKS-b 1P+N B40A 30mA	06220627R0	50
	100mA	RKS-b 1P+N B40A 100mA	06220628R0	50
50A	30mA	RKS-b 1P+N B50A 30mA	06220629R0	50
	100mA	RKS-b 1P+N B50A 100mA	06220630R0	50

RKS C curve

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	30mA	RKS-b 1P+N C6A 30mA	06220647R0	50
	100mA	RKS-b 1P+N C6A 100mA	06220648R0	50
10A	30mA	RKS-b 1P+N C10A 30mA	06220649R0	50
	100mA	RKS-b 1P+N C10A 100mA	06220650R0	50
16A	30mA	RKS-b 1P+N C16A 30mA	06220651R0	50
	100mA	RKS-b 1P+N C16A 100mA	06220652R0	50
20A	30mA	RKS-b 1P+N C20A 30mA	06220653R0	50
	100mA	RKS-b 1P+N C20A 100mA	06220654R0	50
25A	30mA	RKS-b 1P+N C25A 30mA	06220655R0	50
	100mA	RKS-b 1P+N C25A 100mA	06220656R0	50
32A	30mA	RKS-b 1P+N C32A 30mA	06220657R0	50
	100mA	RKS-b 1P+N C32A 100mA	06220658R0	50
40A	30mA	RKS-b 1P+N C40A 30mA	06220659R0	50
	100mA	RKS-b 1P+N C40A 100mA	06220660R0	50
50A	30mA	RKS-b 1P+N C50A 30mA	06220661R0	50
	100mA	RKS-b 1P+N C50A 100mA	06220662R0	50



RKC 1+N

RKC type

Technical data

Standard	Confirming to IEC 61009
Approval	SEMKO CB, CE
Protection	Ground fault and overcurrent
Rated current	6, 10, 16, 20, 25, 32A
Rated voltage	240VAC
Breaking capacity	6kA (32A 4.5kA)
Characteristic	B, C curve
Rated residual operating current	10, 30mA
Number of poles	1P+N
Rated insulation voltage [Ui]	600V
Rated impulse withstand voltage [Uimp]	4kV
Type of trip	Ground fault Overcurrent
	Electronic Thermal-magnetic
Terminal	Lug type (Cables up to 10mm ²)
Mount	35mm DIN rail
Width	18mm
Electrical endurance	4,000 operations

RKC B curve AC type new ROGY

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	10mA	RKC 1P+N B6A 10mA 6kA	06221020R0	12
	30mA	RKC 1P+N B6A 30mA 6kA	06221026R0	12
10A	10mA	RKC 1P+N B10A 10mA 6kA	06221021R0	12
	30mA	RKC 1P+N B10A 30mA 6kA	06221027R0	12
16A	10mA	RKC 1P+N B16A 10mA 6kA	06221022R0	12
	30mA	RKC 1P+N B16A 30mA 6kA	06221028R0	12
20A	10mA	RKC 1P+N B20A 10mA 6kA	06221023R0	12
	30mA	RKC 1P+N B20A 30mA 6kA	06221029R0	12
25A	10mA	RKC 1P+N B25A 10mA 6kA	06221024R0	12
	30mA	RKC 1P+N B25A 30mA 6kA	06221030R0	12
32A	10mA	RKC 1P+N B32A 10mA 4.5kA	06221025R0	12
	30mA	RKC 1P+N B32A 30mA 4.5kA	06221031R0	12

RKC C curve AC type new ROGY

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	10mA	RKC 1P+N C6A 10mA 6kA	06221032R0	12
	30mA	RKC 1P+N C6A 30mA 6kA	06221038R0	12
10A	10mA	RKC 1P+N C10A 10mA 6kA	06221033R0	12
	30mA	RKC 1P+N C10A 30mA 6kA	06221039R0	12
16A	10mA	RKC 1P+N C16A 10mA 6kA	06221034R0	12
	30mA	RKC 1P+N C16A 30mA 6kA	06221040R0	12
20A	10mA	RKC 1P+N C20A 10mA 6kA	06221035R0	12
	30mA	RKC 1P+N C20A 30mA 6kA	06221041R0	12
25A	10mA	RKC 1P+N C25A 10mA 6kA	06221036R0	12
	30mA	RKC 1P+N C25A 30mA 6kA	06221042R0	12
32A	10mA	RKC 1P+N C32A 10mA 4.5kA	06221037R0	12
	30mA	RKC 1P+N C32A 30mA 4.5kA	06221043R0	12

DIN rail & Screw type



RKC 1+N

RKC type

RKC B curve A type new ROGY

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	10mA	RKC 1P+N B6A 10mA 6kA	06221044R0	12
	30mA	RKC 1P+N B6A 30mA 6kA	06221050R0	12
10A	10mA	RKC 1P+N B10A 10mA 6kA	06221045R0	12
	30mA	RKC 1P+N B10A 30mA 6kA	06221051R0	12
16A	10mA	RKC 1P+N B16A 10mA 6kA	06221046R0	12
	30mA	RKC 1P+N B16A 30mA 6kA	06221052R0	12
20A	10mA	RKC 1P+N B20A 10mA 6kA	06221047R0	12
	30mA	RKC 1P+N B20A 30mA 6kA	06221053R0	12
25A	10mA	RKC 1P+N B25A 10mA 6kA	06221048R0	12
	30mA	RKC 1P+N B25A 30mA 6kA	06221054R0	12
32A	10mA	RKC 1P+N B32A 10mA 4.5kA	06221049R0	12
	30mA	RKC 1P+N B32A 30mA 4.5kA	06221055R0	12

RKC C curve A type new ROGY

In	I _{Δn}	Model	Order No.	Pack. unit (Pcs.)
6A	10mA	RKC 1P+N C6A 10mA 6kA	06221056R0	12
	30mA	RKC 1P+N C6A 30mA 6kA	06221062R0	12
10A	10mA	RKC 1P+N C10A 10mA 6kA	06221057R0	12
	30mA	RKC 1P+N C10A 30mA 6kA	06221063R0	12
16A	10mA	RKC 1P+N C16A 10mA 6kA	06221058R0	12
	30mA	RKC 1P+N C16A 30mA 6kA	06221064R0	12
20A	10mA	RKC 1P+N C20A 10mA 6kA	06221059R0	12
	30mA	RKC 1P+N C20A 30mA 6kA	06221065R0	12
25A	10mA	RKC 1P+N C25A 10mA 6kA	06221060R0	12
	30mA	RKC 1P+N C25A 30mA 6kA	06221066R0	12
32A	10mA	RKC 1P+N C32A 10mA 4.5kA	06221061R0	12
	30mA	RKC 1P+N C32A 30mA 4.5kA	06221067R0	12

