

RCBOs - Residual current circuit breakers with integral overcurrent protection KZS

Advantages of residual current circuit breakers with integral overcurrent protection KZS - 1M

→ Combining the features of miniature circuit breaker and a residual current circuit breaker, functionally dependent on line voltage (minimum supply voltage 90V)

→ Version with operating temperature down to -35°C also available

→ Real contact position indication for easier identification, whether RCBO is in ON or OFF position

→ Added protection against any pulsating DC component that can be generated from electrical appliances

→ Energy limiting class 3: highest energy limiting performance for optimal protection of cable insulation and maximally reducing risk of fire and other damage

→ 1-module housing (18 mm), with switched neutral line

→ Sealing possibility

→ Clearly marked terminals to ensure appropriate connection

→ In case of overcurrent or differential current, the button moves to the "trip" (middle) position. In case of manual turn off, the button moves to the "off" (lowest) position.

→ All necessary technical and installation information can be found on the front and side of the device

→ The terminals accept not only wires but also time saving busbars

→ Advanced method of mounting enables an easy removal of single RCBO without disconnecting other units from the busbar



Residual current circuit breakers with integral overcurrent protection

Residual current circuit breaker with integral overcurrent protection KZS-4M 3p+N

Rated short-circuit capacity
6 kARated current
6 - 32 ATripping characteristic
B, CRated residual current
0,03 A - 0,5 A**KZS-4M 3p+N $I_{\Delta n} = 30 \text{ mA}$**

I_n [A]	Type A		Type AC		Weight [g]	Packaging [pcs]
	Code No. B	Code No. C	Code No. B	Code No. C		
6	002174901	002174921	002174001	002174021	515	1/27
10	002174902	002174922	002174002	002174022	515	1/27
13	002174903	002174923	002174003	002174023	515	1/27
16	002174904	002174924	002174004	002174024	515	1/27
20	002174905	002174925	002174005	002174025	515	1/27
25	002174906	002174926	002174006	002174026	515	1/27
32	002174907	002174927	002174007	002174027	515	1/27

KZS-4M 3p+N $I_{\Delta n} = 100 \text{ mA}$

I_n [A]	Type A		Weight [g]	Packaging [pcs]
	Code No. B	Code No. C		
6	002174401	002174421	515	1/27
10	002174402	002174422	515	1/27
13	002174403	002174423	515	1/27
16	002174404	002174424	515	1/27
20	002174405	002174425	515	1/27
25	002174406	002174426	515	1/27
32	002174407	002174427	515	1/27

KZS-4M 3p+N $I_{\Delta n} = 300 \text{ mA}$

I_n [A]	Type A		Weight [g]	Packaging [pcs]
	Code No. B	Code No. C		
6	002174501	002174521	515	1/27
10	002174502	002174522	515	1/27
13	002174503	002174523	515	1/27
16	002174504	002174524	515	1/27
20	002174505	002174525	515	1/27
25	002174506	002174526	515	1/27
32	002174507	002174527	515	1/27

KZS-4M 3p+N $I_{\Delta n} = 500 \text{ mA}$

I_n [A]	Type A		Weight [g]	Packaging [pcs]
	Code No. B	Code No. C		
6	002174601	002174621	515	1/27
10	002174602	002174622	515	1/27
13	002174603	002174623	515	1/27
16	002174604	002174624	515	1/27
20	002174605	002174625	515	1/27
25	002174606	002174626	515	1/27
32	002174607	002174627	515	1/27

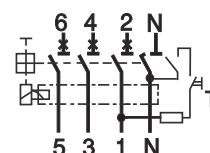
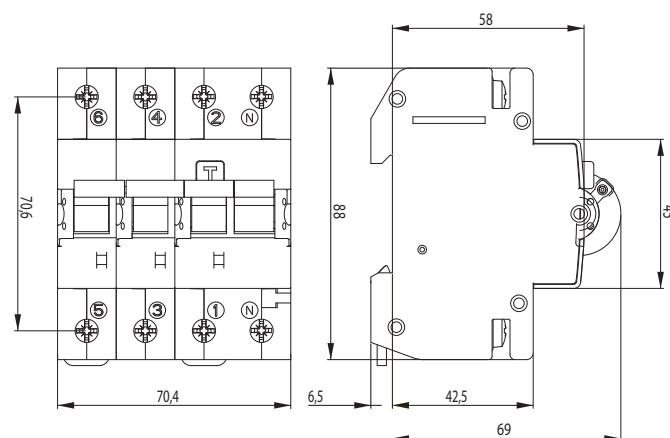


Technical data

Residual current circuit breaker with integral overcurrent protection KZS-4M 3p+N

Technical data

Rated voltage U_n	~400 V AC
Rated current I_n	6-32 A
Rated frequency f_n	50/60 Hz
Rated short-circuit capacity	6.000 A
Back-up fuse	100 A gG
Tripping characteristic	B, C
Type	AC, A
Rated residual current $I_{\Delta n}$	30, 100, 300, 500 mA
Rated residual making and breaking capacity $I_{\Delta m}$	4500A
Terminals	1-25 mm ² , max. 3 Nm
Terminal screw	M5 (Pozidrive PZ2)
Width	70 mm
Mounting position	any
Standard	EN 61009-1



Residual current circuit breaker with integral overcurrent protection KZS-4M 2p B-type

Technical data

Electrical

Rated voltage U_n	230 V AC
Rated current I_n	6, 10, 13, 16, 20, 25, 32, 40 A
Rated Insulation voltage U_i	440 V
Peak withstand current	3kA (8/20ms) surge current proof
Electrical isolation	> 4mm contact space
Rated residual operating current $I_{\Delta n}$	30, 100, 300mA
Rated short-circuit capacity	10kA
Maximum back-up fuse	100A gG
Isolation class	B
Standard	IEC/EN 61009-1, IEC/EN 62423
Mechanical endurance	20.000
Electrical endurance	10.000

Mechanical

Frame size	45mm
Device height	69 mm
Device width	70 mm
Degree of protection	IP20
Upper and lower terminals	open mounted/lift terminals
Terminal capacity	1-25 mm ²
Terminal screw	M5 (Pozidrive PZ2)
Terminal torque	max 3,0 Nm
Operating temperature	-25°C ... +60°C
Storage and transport temperature	-40°C ... +70°C
Resistance to climatic conditions	IEC/EN 61009
Contact position indicator	mechanical red/green
Supply possibility	Top or bottom

