APATOR





Fused switch disconnectors RBK 00-1 evo

2026 product catalogue

switchgear

RBK 00-1 evo
fused switch disconnectors

Switch disconnectors intended for electrical power distribution and protecting electrical equipment against the effects of short circuits and overloads by means of industrial fuse-links



RBK 00-1 evo BS

DESIGN

- switch disconnector made of thermoplastic polyamide reinforced with glass fibre, with the highest flammabilityclass V0 – halogen-free flame retardant
- RBK 00-1 evo switch disconnectors consist of the following subassemblies: – a 1-pole base fitted with spring-loaded-aw contacts, allowing direct connection of cables with stripped ends or crimped terminals, as well as busbars – a removable cover housing the fuse-links
- galvanically silver-plated contacts ensure low power losses
- the contacts and current paths are made of electrical-grade copper

FUNCTIONALITY

- switching on-off operations should be carried out with a firm movement
- possibility of connecting cables using a screw-type terminal or by means of a V-clamp
- possibility of carrying out an inspection measurement – measuring holes in the switch disconnector cover
- possibility of checking the condition of the fuse-link

APPLICATION

RBK 00-1 evo fuse switch disconnectors are intended for electrical power distribution and protecting electrical equipment against the effects of short circuits and overloads by means of industrial fuse-links. Designed in accordance with the applicable standards PN-EN IEC 60947-1 and PN-EN IEC 60947-3. They are dedicated to low-voltage industrial switchboards and cable distribution junctions.

OPERATING CONDITIONS

- installation in rooms free from dust and corrosive or explosive gases
- altitudes up to 2000 metres above sea level
- ambient temperature from -25°C to +55°C

INSTALLATION

- on a mounting plate
- on TH rails

Tabela 1. Technical data

Parameter		RBK 00-1 evo		
Rated thermal current I_{th}	A	160		
Rated voltage U_n	V	690		
Category of use		AC-22B	AC-21B	DC-22B
Rated switching current I_e	A	160		
Switching voltage	V	500	690	250
Rated conditional short-circuit withstand current	kA	120		20
Rated conditional short-circuit making current	kA	120		20
Rated impulse withstand voltage $U_{imp.}$	kV	8		
Rated short-time withstand current I_{cw}	kA	1000		
Rated frequency	Hz	50-60		
Mechanical endurance	o.c.	1600		
Electrical endurance	s. c.	200		
Degree of protection in the closed position, front		IP30		
Degree of protection in the closed position, complete unit		IP20		
Degree of protection in the open position, complete unit		IP10		
Fuse link size		00		
Power dissipation of fuse links	W	12		

I_{th} - thermal current of the switch disconnector without cover plate, in open air (when installing switch disconnectors in enclosures, correction factors for current-carrying capacity should be taken into account)







RBK 00-1 evo

Tabela 2. Versions

RBK 00-1 evo		type of cable terminals	catalogue no.
Mounting on plate			
RBK 00-1 evo MP-M switch disconnector	for conductors with crimped cable terminals	screw terminal	63-434986-610
RBK 00-1 evo MP-R switch disconnector	for connecting conductors with stripped ends *	frame terminal	63-434986-611
RBK 00-1 evo MP-S switch disconnector	for conductors with crimped cable terminals	bridge terminal	63-434986-612
RBK 00-1 evo MP-V switch disconnector	for sector-shaped conductors with stripped ends	sector-shaped terminal	63-434986-613

* – the use of ferrules is recommended for stranded cables

Tabela 3. Type of connection terminals

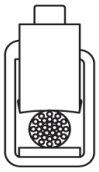
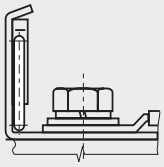
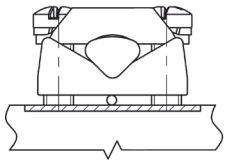
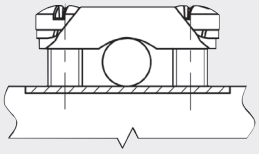
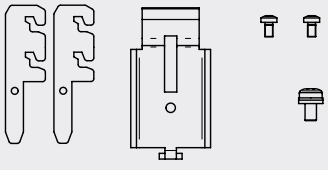
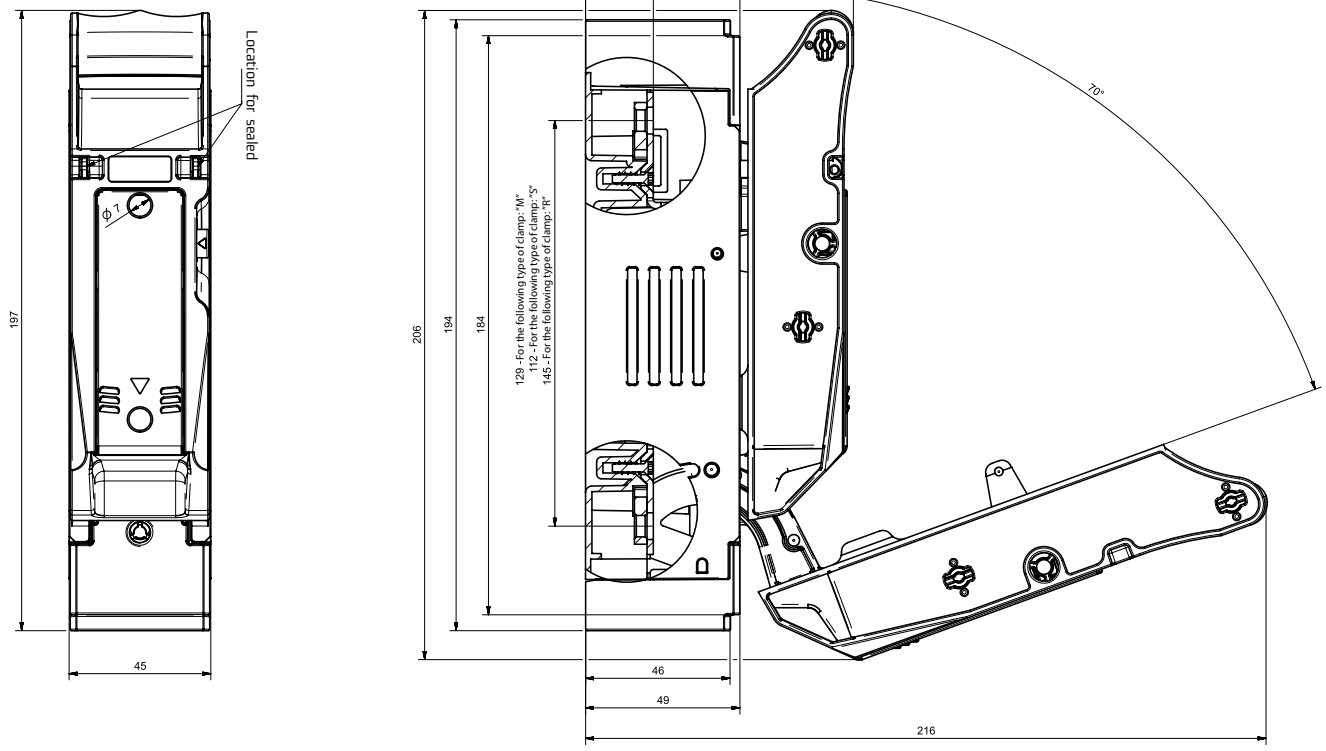
Terminal	Terminal drawing	Cable conductor cross-section	Tightening torque
frame		4 ÷ 95 mm²	5 Nm
screw M8 x 16		cable with lug 70 mm²	10 Nm
sector 2 x M5 x 20		4 mm² ÷ 70 mm² 4 mm² ÷ 95 mm² 4 mm² ÷ 95 mm²	3 Nm
bridge 2 x M5 x 16		Cu/Al cable 4÷50 mm²	3 Nm

Tabela 4. Accessories

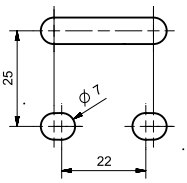
Description	Catalogue No.	Drawing/photo
window lock (voltage measurement)	53-434-000-051	
mounting kit for TH rail	53-000418-012	

Dimensional drawings:

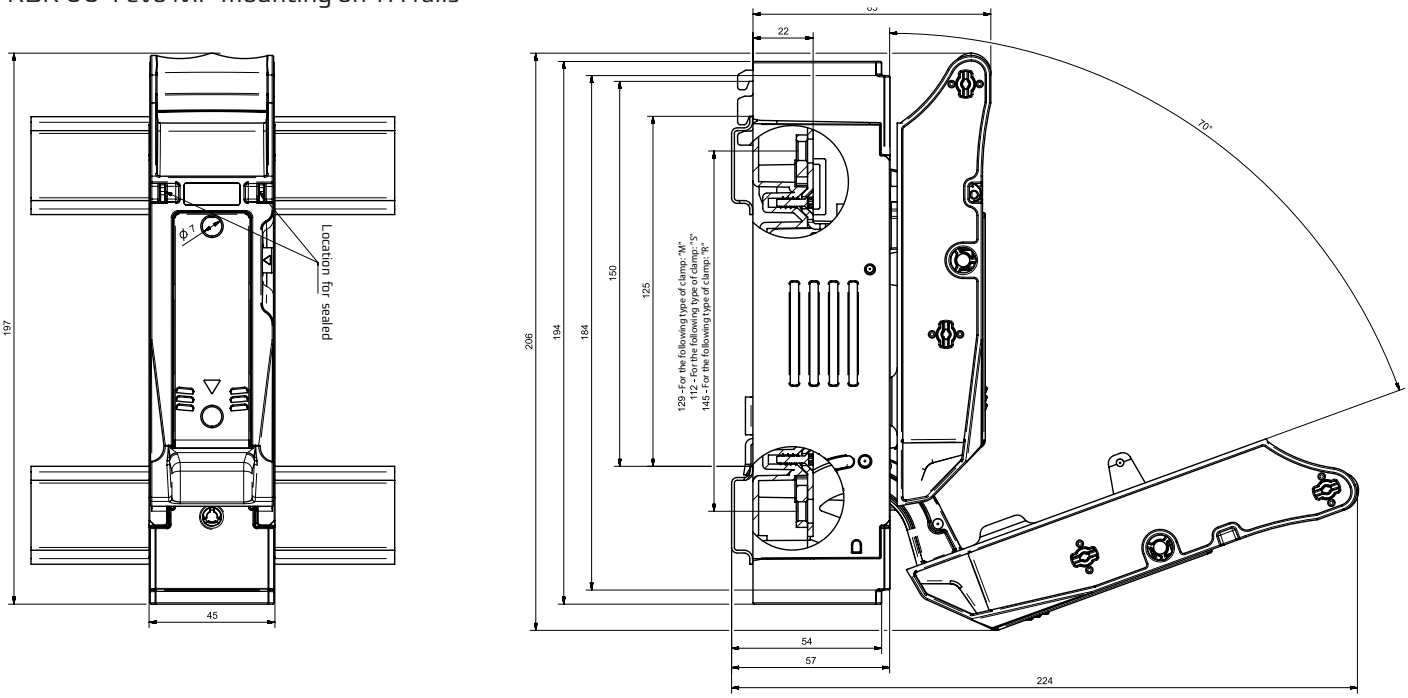
RBK 00-1 evo MP



Mounting holes



RBK 00-1 evo MP mounting on TH rails*



* - mounting the switch-disconnector on a TH rail using the "Mounting kit for TH rails", no. 53-000418-012

NOTES

The data presented in the sheet is up-to-date as of the date of issue.
The manufacturer reserves the right to make changes and improvements to the products without prior notice.
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