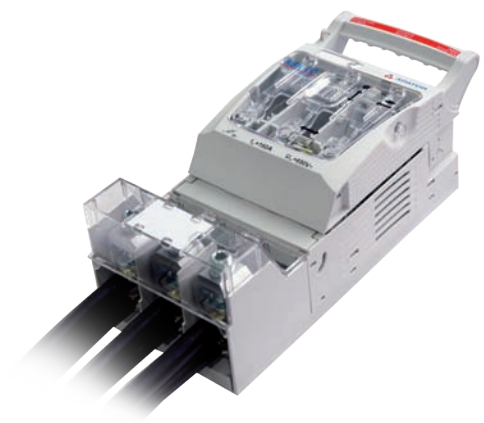
RBK 00 pro V 120 (160 A, 690 V)



RBK 00 pro V 120

Table 88. Technical data

Parameter			RBK 00 pro-V 120		
Rated thermal current I_{th} [1)]		A	160		
Rated voltage U_n		V	690		
Utilization category		-	AC-23B	AC-22B	DC-22B
Rated switching current I_e		A	160	160	160
Rated switching voltage U_e		V	400	690	250
Rated short circuit making current	690 V	kA	100		25/ 250V
	500 V				
	400 V				
Rated short circuit withstand current	690 V	kA	100		25/ 250V
	500 V				
	400 V				
Rated insulation voltage U_i		V	1000		
Rated impulse withstand voltage $U_{imp.}$		kV	8		
Rated frequency		Hz	50-60		-
Mechanical durability		Number of cycles	1600		
Electrical durability			200		
IP degree of protection		IP	IP20		
Weight		kg	~0,9		
Size of fuse links		-	00		

[1)] I_{th} - thermal current of fuse switch disconnector without external enclosure, installed outdoors
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)

Table 89. Versions

RBK 00 pro V 120		Article No.
For installation on mounting plate		
RBK 00 pro - V120	for connection of conductors with bare ends (top terminals- S-bridge clamps, bottom terminals – V-clamps)	63-823341-011
RBK 00 pro - V120 - M	for connection of conductors with bare ends (top terminals- M8 screws, bottom terminals – V-clamps)	63-823341-021
RBK 00 pro - P	for connection of conductors with bare ends (top terminals- S-bridge clamps, bottom terminals – Prism clamps)	63-823341-031
RBK 00 pro - P - M	for connection of conductors with bare ends (top terminals- M8 screws, bottom terminals – Prism clamps)	63-823341-041
RBK 00 pro 2 x V120	for connection of conductors with bare ends (top terminals- S-bridge clamps, bottom terminals – double V-clamps)	63-823341-051
RBK 00 pro 2 x V120 - M	for connection of conductors with bare ends (top terminals- M8 screws, bottom terminals – double V-clamps)	63-823341-061

New features of cable terminals

- connection of one or two sector-shaped conductors with cross-section up to 120 mm^2
- connection of two round conductors with bare ends and cross-section up to 70 mm^2

Space saving

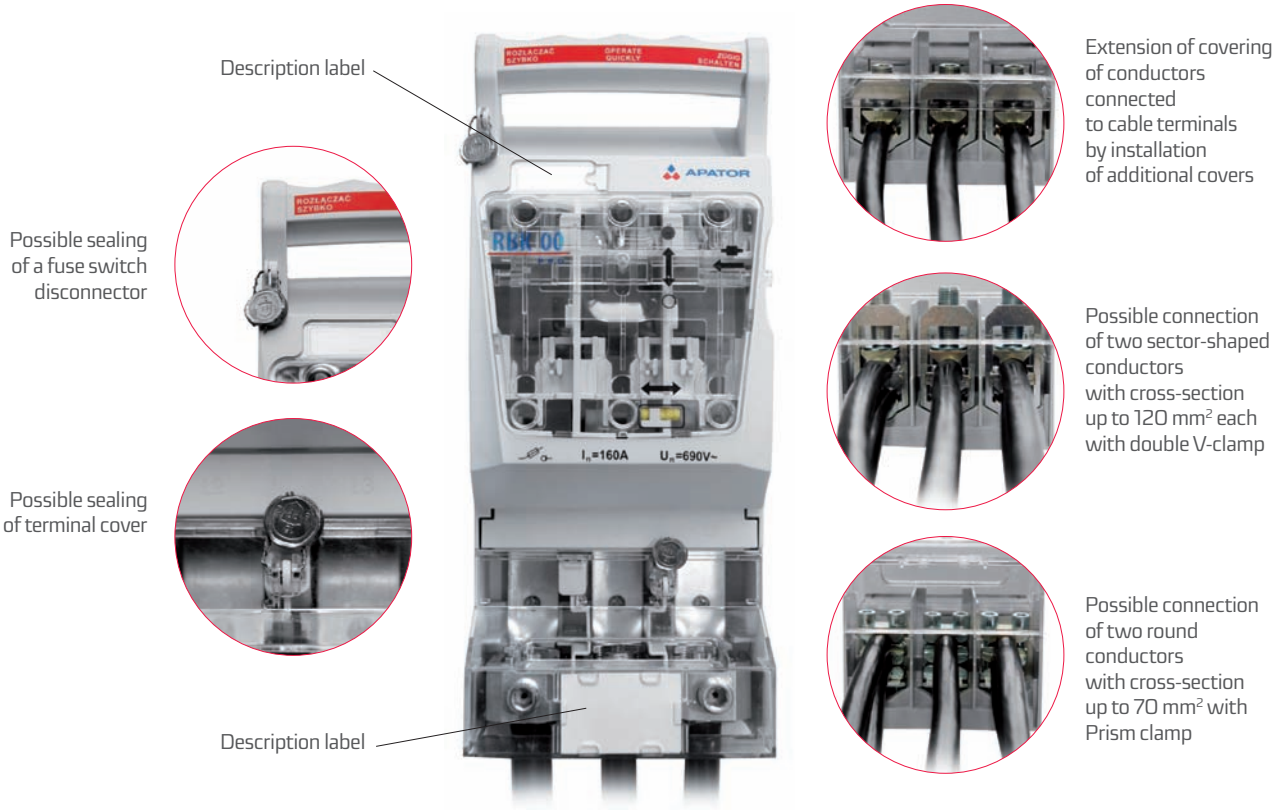
- possible reduction of external width of cable distribution cabinet to width of a fuse switch disconnector

Efficient current circuit

- no screw or riveted connection between contact and cable terminal (uniform design of current circuit ensures lower power loss and operating temperature)

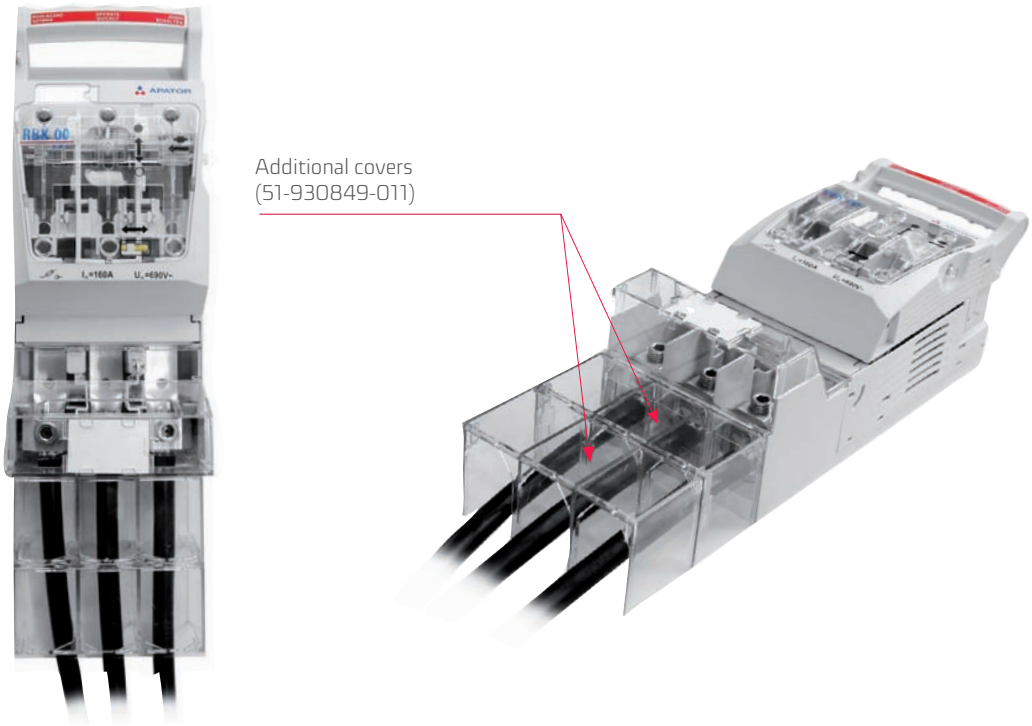
Safety

- fuse cover and cable terminal cover sealing
- extension of covering of conductors connected to cable terminals by installation of additional covers

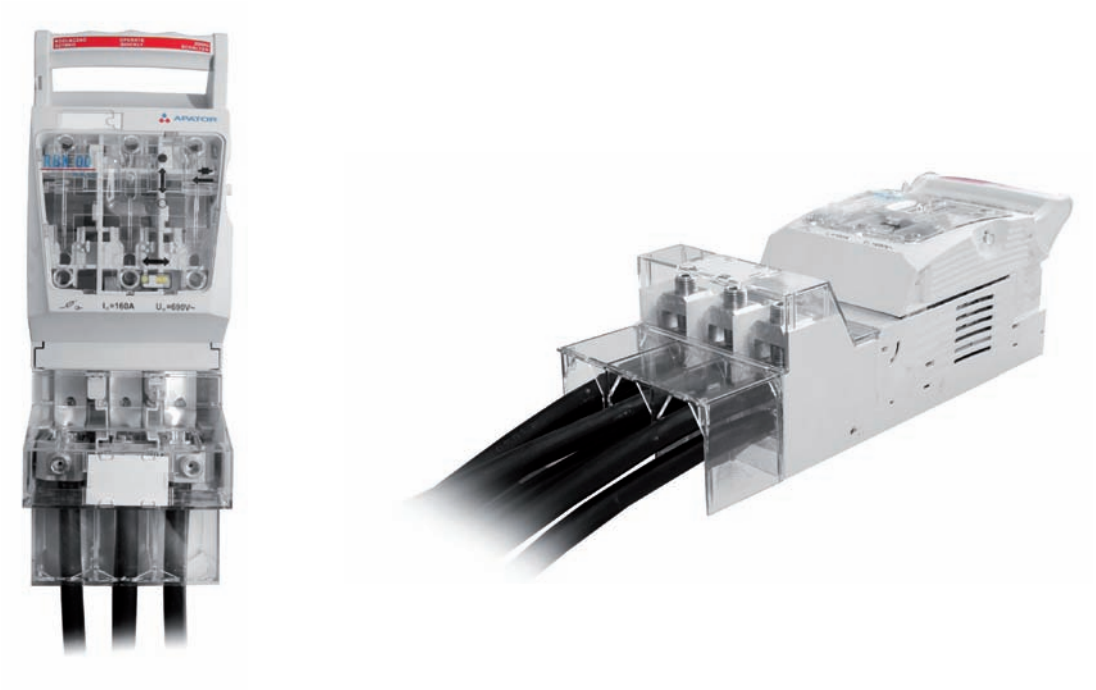


Extended covering of conductors connected to cable terminal

For extension of covering of conductors connected to cable terminals, for example: to fully cover cables in cable distribution cabinet, any required number of additional covers could be installed (article number of additional extending cover: 51-930849-011) . Cover length - 50 mm.

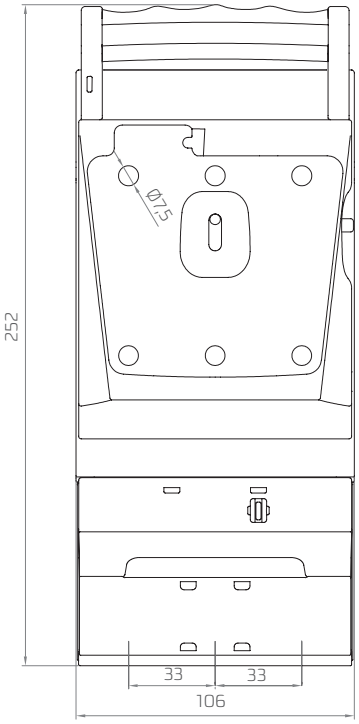


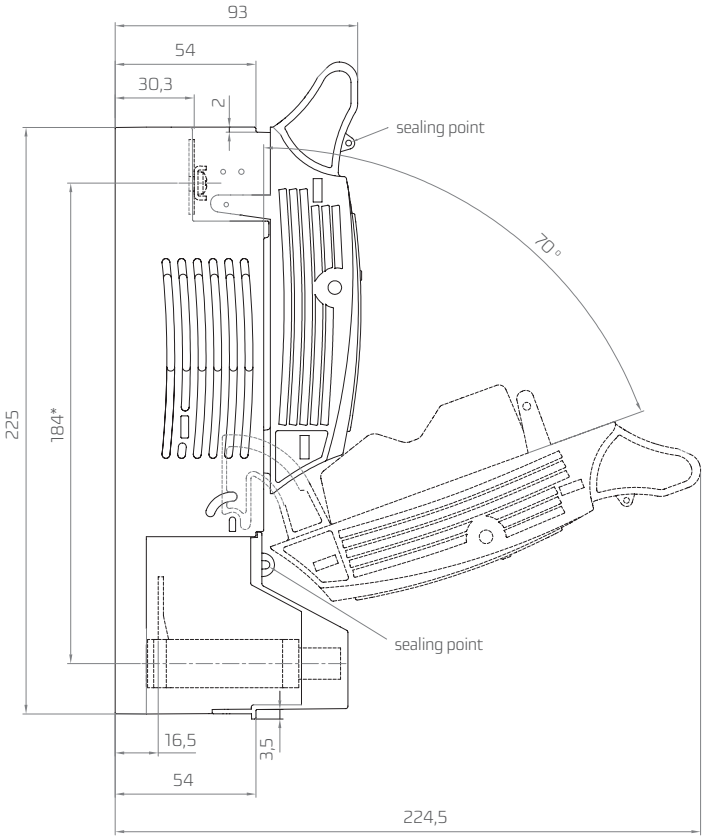
RBK 00 pro-V120 with V-clamp for connection of sector-shaped conductors with cross-section up to 120 mm^2



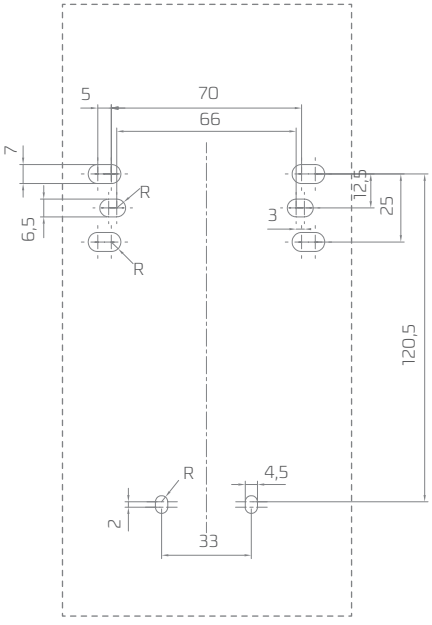
RBK 00 pro 2 x V120 with double V-clamp for connection of two sector-shaped conductors with cross-section up to 120 mm^2 each

RBK 00 pro-V 120





*197 mm for M screw terminal
(for busbar and lug terminal)



spacing of holes for installation
of RBK 00 pro-V120 on mounting plate