

RBK 1 pro (250 A, 690 V)



RBK 1 pro
for installation
on mounting plate

Table 91. Technical data

Parameter		RBK 1 pro		RBK 1 pro-S		
Rated thermal current $I_{th}^{1)}$	A	250		250		
Rated voltage U_n	V	690		690		
Utilization category	-	AC-23B	DC-22B	AC-23B	AC-22B	DC-22B ²⁾
Rated switching current I_e	A	250	250	250	250	250
Rated switching voltage U_e	V	690	250	400	690	250
Rated short circuit making current	690 V	80	25/ 250V	80	-	25/ 250V
	500 V	-		-		
	400 V	100		100		
Rated short circuit withstand current	690 V	80	25/ 250V	80	-	25/ 250V
	500 V	-		-		
	400 V	100		100-		
Rated insulation voltage U_i	V	1000		1000		
Rated impulse withstand voltage U_{imp}	kV	8		8		
Rated frequency	Hz	50-60	-	50-60	-	
Mechanical durability	Number of cycles	1600		1600		
Electrical durability		200		200		
IP degree of protection	IP	IP20		IP20		
Weight	kg	~2		~2,5		
Size of fuse links	-	1		1		

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 92. Versions

RBK 1 pro/250 A				
For installation on mounting plate		Cable terminals	Article No.	
RBK 1 pro	For connection of round conductors	S-bridge clamps	63-811748-011	
RBK 1 pro-M	For connection of conductors with lug terminals	Screws	63-811748-021	
RBK 1 pro-V	For connection of sector-shaped conductors	V-clamps	63-811748-031	
RBK 1 pro VG	For connection of round conductors, top terminals - V-terminals, bottom terminals - S-bridge terminals	V- clamps / S-bridge clamps	63-811784-011	
RBK 1 pro VG-M	For connection of round conductors, top terminals - V-terminals, bottom terminals - screw terminals	V- clamps /screws	63-811784-021	
RBK 1 pro VD	For connection of round conductors, top terminals - S-bridge terminals, bottom terminals - V-terminals	S-bridge clamps / V- clamps	63-811784-031	
RBK 1 pro VD-M	For connection of round conductors, top terminals - screw terminals, bottom terminals - V-terminals	Screws / V-clamps	63-811784-041	
RBK 1 pro-S				
For installation on to busbar system		Cable terminals	Article No.	
60 mm busbar system				
APASYS 60	RBK 1 pro-SG 60	Top cable terminals, for connection of round conductors	S-bridge clamps	63-811750-011
	RBK 1 pro-SD 60	Bottom cable terminals, for connection of round conductors	S-bridge clamps	63-811750-021
	RBK 1 pro-SG-M 60	Top cable terminals, for connection of sector-shaped conductors	Screws	63-811750-051
	RBK 1 pro-SD-M 60	Bottom cable terminals, for connection of conductors withlug terminals	Screws	63-811750-061
	RBK 1 pro-SG-V 60	Top cable terminals, for connection of sector-shaped conductors	V-clamps	63-811750-091
	RBK 1 pro-SD-V 60	Bottom cable terminals, for connection of sector-shaped conductors	V-clamps	63-811750-101

Table 93. Versions

RBK 1 pro-S			
For installation on to busbar system		Cable terminals	Article No.
100 mm busbar system			
RBK 1 pro-SG 100	Top cable terminals, for connection of round conductors	S-bridge clamps	63-811750-031
RBK 1 pro-SD 100	Bottom cable terminals, for connection of round conductors	S-bridge clamps	63-811750-041
RBK 1 pro-SG-M 100	Top cable terminals, for connection of conductors with lug terminals	Screws	63-811750-071
RBK 1 pro-SD-M 100	Bottom cable terminals, for connection of conductors with lug terminals	Screws	63-811750-081
RBK 1 pro-SG-V 100	Top cable terminals, for connection of sector-shaped conductors	V-clamps	63-811750-111
RBK 1 pro-SD-V 100	Bottom cable terminals, for connection of sector-shaped conductors	V-clamps	63-811750-121

Table 94. RBK 1 pro terminal clamps

Description	RBK 1 pro	RBK 1 pro-M	RBK 1 pro-V
Clamp	S-bridge clamp 2 x M8 x 30	M10x25 screw	V-clamp HS 35-300-C
Picture of a clamp			
Drawing of a clamp			
Cross-section of conductors	Cu/Al conductor 35 ÷ 120 mm ²	conductor with lug terminal up to 120 mm ²	V-clamp for direct fixing of conductor with bare end with cross-section of: 35 - 150 mm ² 50 - 240 mm ² ** 50 - 300 mm ²
Cu bar	maximum bar width 35 mm		
Tightening torque	10 Nm*	20 Nm*	30 Nm*
Dimensions and spacing of holes for installation of RBK 1 pro on mounting plate			

*using of tension wrench is recommended

**for stranded conductors using cable ferrules is recommended



RBK 1 pro
for installation on mounting plate



RBK 1 pro-SG
RBK 1 pro-SD
for installation on to busbar system

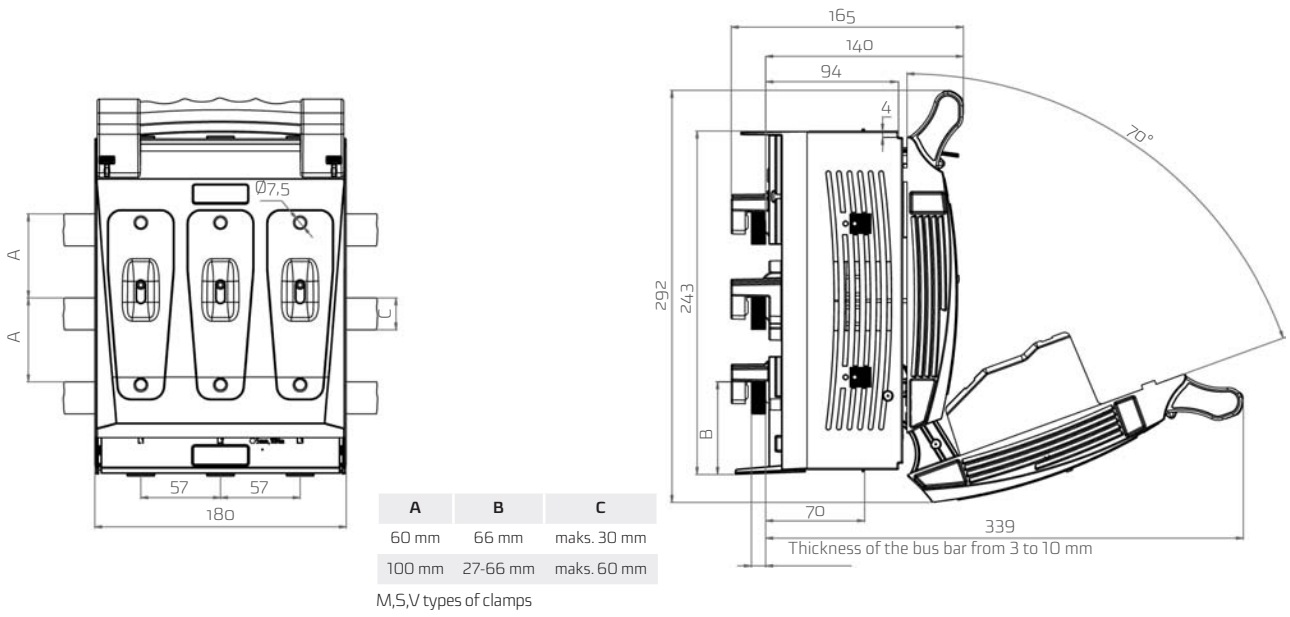


RBK 1 pro
for installation on mounting plate,
with additional terminal shrouds



RBK 1 pro VD-M
for installation on mounting plate,
picture of fuse switch disconnect
without fuse links cover and terminal shrouds,
top cable terminal - M screws,
bottom cable terminal - V-clamps,
(RBK 1 pro VG-M - bottom cable terminal - M screws,
top cable terminal - V-clamps)

RBK 1 pro-SD, RBK 1 pro-SG



RBK 1 pro-O

