



# RBK pro

## Horizontal fuse switch disconnectors

- designed for distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links.

## APPLICATIONS

**RBK pro** fuse switch disconnectors are designed for distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links. They are conforming to EN 60947-1, EN 60947-3, IEC 60947-1, IEC 60947-3 standards. They are intended for installation in low voltage distribution boards, cable and metering cabinets.

## CONSTRUCTION

- thermoplastic parts of **RBK pro** fuse switch disconnectors are made of fibre glass strengthened polyamide with halogen free flame retardant added and have highest possible flammability class – VO,
- **RBK pro** fuse switch disconnectors consist of following parts:
  - three pole main base with spring-loaded contacts designed for connection of circular or sector-shaped conductors, conductors with lug terminals or bars,
  - removable cover with fuse links,
- arc chambers with steel deionization plates over top contacts,
- silver plated contacts providing low power loss.

## MOUNTING

- on mounting plate
  - RBK 000 pro, RBK 00 pro, RBK 1 pro, RBK 2 pro, RBK 3,
- DIN rail
  - single: RBK 000 pro,
  - double: RBK 00 pro,
- on to busbar systems:
  - 60 mm RBK 000 pro-S, RBK 00 pro-S, RBK 1 pro-S, RBK 2 pro-S, installation on to busbar system with hooked clamps, placed inside fuse,
  - 60 mm RBK 3-S installation on busbar system using adapter with three M10 screws,
  - 100 mm (RBK 2-S, RBK 1 pro-S) installation on to busbar system with hooked clamps placed inside fuse.

## OPERATING CONDITIONS

- to be installed in the room free of any dust, aggressive or explosive gases,
- altitude up to 2000 meters above sea level,
- outdoor – in cabinets with protection degree > IP 34,
- ambient temperature from -25 °C to +55 °C,
- relative humidity of the air should not be higher than 50% at temperature of +40°.

## FUNCTIONALITY

- making and breaking operations should be done with determined movement,
- possible connection of circular or sector-shaped conductors with bare ends (V-terminals, 2V-terminals) or conductors with lug terminals (screw terminals),
- voltage test performed through test holes in fuse link cover,
- fuse links state monitoring.

Table 65. RBK pro fuse switch disconnectors technical data

Parameter		RBK 000 pro RBK 000 pro-S					RBP 000 pro			RBP 000 pro-S			RBK 00 pro			RBK 00 pro-S		
Rated thermal current $I_{th}^{1)}$	A	160					125			125			160			160		
Rated voltage $U_n$	V	690					690			690			690			690		
Utilization category	-	AC-23B	AC-22B	AC-22B	AC-21B	DC-21B	AC-23B	AC-21B	DC-22B	AC-23B	AC-22B	DC-22B	AC-23B	DC-22B	DC-21B	AC-23B	AC-22B	AC-22B
Rated switching current $I_e$	A	100	100	160	160	160	125	125	100	125	125	100	160	160	160	160	160	160
Rated switching voltage $U_e$	V	400	690	400	690	250	400	690	250	400	690	250	690	250	440	400	690	250
Rated short circuit withstand current	690 V	25				25/ 250V	50		25/ 250V	35		25/ 250V	80		25/250V	100		25/ 250V
	500 V	80					-			-			-					
	400 V	-					80			80			100					
Rated short circuit making current	690 V	25				25/ 250V	50		25/ 250V	35		25/ 250V	80		25/250V	100		25/ 250V
	500 V	80					-			-			-					
	400 V	-					80			80			100					
Rated insulation voltage $U_i$	V	1000					1000			1000			1000					
Rated impulse withstand voltage $U_{imp}$	kV	8					6			6			8					
Rated frequency	Hz	50-60			-	50-60	-	50-60	-	50-60	-	50-60	-	50-60	-			
Mechanical durability	Number of cycles	2000		1600			1600			1600			1600					
Electrical durability		300		200			200			200			200					
IP degree of protection	IP	20					20*			20*			20					
Weight	kg	~0,6, ~0,9					~0,5			~0,7			~0,7					
Size of fuse links	-	000					000			000			00					

\*from the front IP30

<sup>1)</sup>  $I_{th}$  - 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)  
<sup>2)</sup> for 60 mm busbar system

- RBK 2 switch disconnector with solid links 400 A
- rated short-time withstand current  $1s I_{cw} = 13 \text{ kA}$
- rated short-circuit making capacity  $I_{cm} = 8 \text{ kA}$
- RBK 1000 - (RBK 3 switch disconnector with solid links 1000 A)
- rated short-time withstand current  $1s I_{cw} = 12,6 \text{ kA}$
- rated short-circuit making capacity  $I_{cm} = 25,2 \text{ kA}$
- rated thermal current  $I_{th} = 1000 \text{ A}$  when connected on to busbars 50x10 mm
- utilization category AC-21

Parameter		RBK 00 pro-V 120			RBK 1 pro		RBK 1 pro-S			RBK 2 pro RBK 2 pro-S			RBK 3 pro			RBK 3 pro-S		
Rated thermal current $I_{th}^{1)}$	A	160			250		250			400			630			630		
Rated voltage $U_n$	V	690			690		690			690			690			690		
Utilization category	-	AC-23B	AC-22B	DC-22B	AC-23B	DC-22B	AC-23B	AC-22B	DC-22B <sup>2)</sup>	AC-23B	DC-22B	DC-21B	AC-23B	AC-22B	DC-21B	AC-23B	AC-22B	DC-21B
Rated switching current $I_e$	A	160	160	160	250	250	250	250	250	400	400	400	630	630	630	630	630	630
Rated switching voltage $U_e$	V	400	690	250	690	250	400	690	250	690	220	440	400	690	440	400	500	690
Rated short circuit withstand current	690 V	kA	100	25/ 250V	80	25/ 250V	80		25/ 250V	80	20/250V, 15/440V	80		35/ 440V	80			
	500 V				-		-	-		-		-	-					
	400 V				100		100	100		-		-	-					
Rated short circuit making current	690 V	kA	100	25/ 250V	80	25/ 250V	80		25/ 250V	80	20/250V, 15/440V	80		35/ 440V	80			
	500 V				-		-	-		-		-	-					
	400 V				100		100-	100		-		-	-					
Rated insulation voltage $U_i$	V	1000			1000		1000			1000			1000					
Rated impulse withstand voltage $U_{imp}$	kV	8			8		8			12			12					
Rated frequency	Hz	50-60	-	50-60	-	50-60	-	50-60	-	50-60	-	50-60	-	50-60	-	50-60		
Mechanical durability	Number of cycles	1600			1600		1600			1000			1000			1000		
Electrical durability		200			200		200			200			200			200		
IP degree of protection	IP	20			20		20			20			20*			20*		
Weight	kg	~0,9			~2		~2,5			~3,~4,5			~4,3			~4,9		
Size of fuse links	-	00			1		1			2			3			3		

\*from the front IP30

<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnecters in enclosures then load factor should be considered)

<sup>2)</sup> for 60 mm busbar system

## RBK 000 pro (160 A, 690 V)



RBK 000 pro  
for installation on mounting plate

Table 66. Technical data

Parameter		RBK 000 pro / RBK 000 pro-S				
Rated thermal current $I_{th}^{1)}$	A	160				
Rated voltage $U_n$	V	690				
Utilization category	-	AC-23B	AC-22B	AC-22B	AC-21B	DC-21B
Rated switching current $I_e$	A	100	100	160	160	160
Rated switching voltage $U_e$	V	400	690	400	690	250
Rated short circuit making current	690 V	kA	25			25/ 250V
	500 V		80			
	400 V		-			
Rated short circuit withstand current	690 V	kA	25			25/ 250V
	500 V		80			
	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	2000		1600		
Electrical durability	Number of cycles	300		200		
IP degree of protection	IP	20				
Weight	kg	~0,6, ~0,9				
Size of fuse links	-	000				

<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)

Table 67. Versions

RBK 000 pro/160 A		Cable terminal	Article No.	
<b>For installation on mounting plate</b>				
RBK 000 pro	for connection of round conductors	S-bridge clamps	63-823191-011	
RBK 000 pro-E	for connection of round conductors, possible installation on DIN rail	S-bridge clamps	63-823191-051	
RBK 000 pro-M	for connection of round conductors with lug terminals	M8 screws	63-823191-021	
RBK 000 pro-M-E	for connection of round conductors with lug terminals, possible installation on DIN rail	M8 screws	63-823191-061	
RBK 000 pro-W	for connection of round conductors, lengthened terminal shrouds	S-bridge clamps	63-823191-071	
RBK 000 pro-W-M	for connection of round conductors with lug terminals, lengthened terminal shrouds	M8 screws	63-823191-081	
<b>For installation on to 60 mm busbar system</b>				
APASYS 60	RBK 000 pro-SD	Cable terminal – bottom, for connection of round conductors	S-bridge clamps	63-823234-031
	RBK 000 pro-SG	Cable terminal – top, for connection of round conductors	S-bridge clamps	63-823234-011
	RBK 000 pro-SD-M	Cable terminal – bottom, for connection of conductors with lug terminals	M8 screws	63-823234-041
	RBK 000 pro-SG-M	Cable terminal – top, for connection of conductors with lug terminals	M8 screws	63-823234-021

Table 68. RBK 000 pro terminal clamps

Description	Clamp	Drawing of clamp	Cross-section of conductors	Cu bar	Tightening torque	Dimensions and spacing of holes for installation of RBK 000 on mounting plate
RBK 000 pro	S-bridge clamp 2 x M5 x 16		Cu/Al conductor 1,5 ÷ 35 mm <sup>2</sup>	maximum bar width 15 mm	3 Nm*	
	M8 x 16 screw		conductor with lug terminal up to 70 mm <sup>2</sup>		10 Nm*	

For stranded conductors using cable ferrules is recommended  
\*using of tension wrench is recommended



**RBK 000 pro-E**  
for mounting on DIN rail



**RBK 000 pro**  
for installation on mounting plate with additional terminal shrouds



**RBK 000 pro-W**  
for installation on mounting plate with extended terminal shrouds



**RBK 000 pro-SG** (top cable terminals)  
**RBK 000 pro-SD** (bottom cable terminals)  
for installation on to 60 mm busbar system

## RBP 000 pro (125 A, 690 V) for mounting

- on plate
- on double DIN rail

## RBP 000 pro-S (125 A, 690 V) for installation onto 60 mm busbar system

- system of protective covers provides touch protection
- possible installation of distribution board's protective panel at depth of 32 mm or 70 mm
- built-in hooked clamps provide fast installation onto busbar system
- top/bottom cable terminal



RBP 000 pro-S

Table 69. Technical data



Parameter		RBP 000 pro			RBP 000 pro-S		
Rated thermal current $I_{th}^{1)}$	A	125			125		
Rated voltage $U_n$	V	690			690		
Utilization category	-	AC-23B	AC-21B	DC-22B	AC-23B	AC-22B	DC-22B
Rated switching current $I_e$	A	125	125	100	125	125	100
Rated switching voltage $U_o$	V	400	690	250	400	690	250
Rated short circuit making current	690 V	50			35		
	500 V	-			-		
	400 V	80			80		
Rated short circuit withstand current	690 V	50			35		
	500 V	-			-		
	400 V	80			80		
Rated insulation voltage $U_i$	V	1000			1000		
Rated impulse withstand voltage $U_{imp}$	kV	6			6		
Rated frequency	Hz	50-60	-		50-60	-	
Mechanical durability	Number of cycles	1600			1600		
Electrical durability	Number of cycles	200			200		
IP degree of protection	IP	20*			20*		
Weight	kg	~0,5			~0,7		
Size of fuse links	-	000			000		

<sup>1)</sup>  $I_{th}$  - 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 70. Versions

RBP 000 pro		Cable terminal	Article No.
<b>For mounting on plate</b>			
RBP 000 pro	for connection of round conductors	frame clamps	63-823267-001
<b>for mounting on double DIN rail</b>			
RBP 000 pro-E-125 mm	double DIN rail with spacing of 125 mm	frame clamps	63-823267-002
RBP 000 pro-E-150 mm	double DIN rail with spacing of 150 mm	frame clamps	63-823267-003
APASYS 60	<b>RBP 000 pro-S</b>		
	<b>For installation on to 60 mm busbar system</b>		
	RBP 000 pro-SG	cable terminal-top, for connection of conductors with bare ends	frame clamps
RBP 000 pro-SD	cable terminal-bottom, for connection of conductors with bare ends	frame clamps	63-823427-002

Table 71. RBP 000 pro, RBP 000 pro-S terminal clamps

Description	Cable terminal	Drawing of clamp	Cross-section of conductors	Tightening torque
RBP 000 pro RBP 000 pro-S	frame clamps		2,5 - 50 mm <sup>2</sup>	 6 Nm*

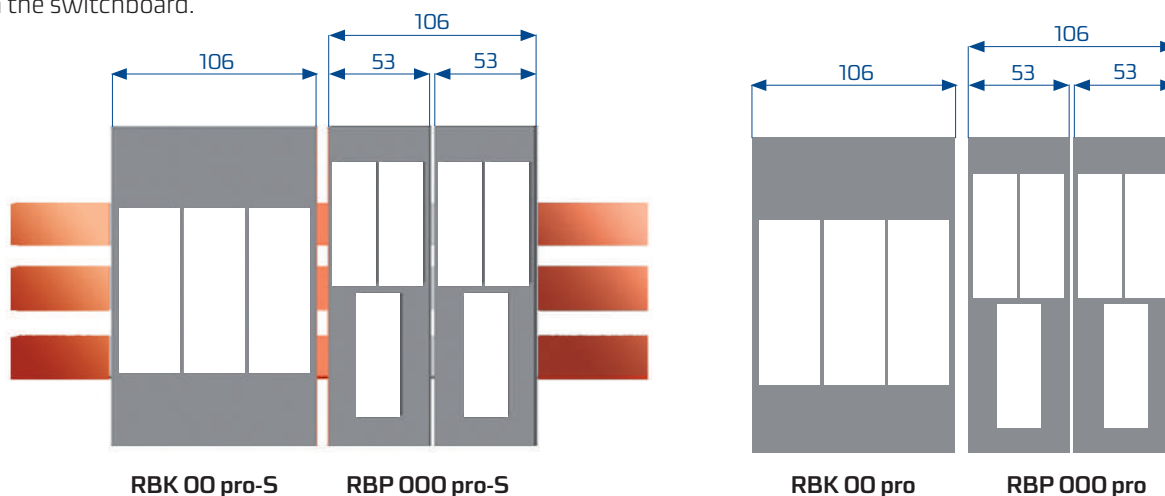
For stranded conductors using cable ferrules is recommended

\*using of tension wrench is recommended



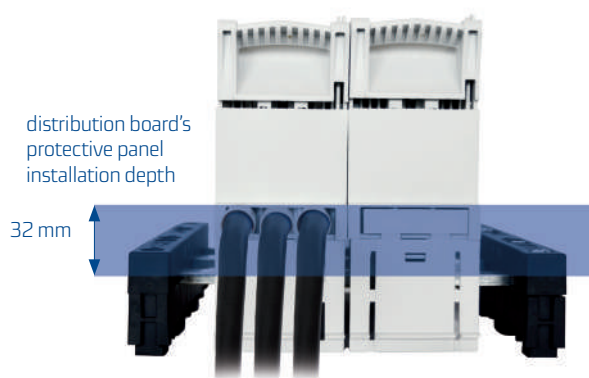
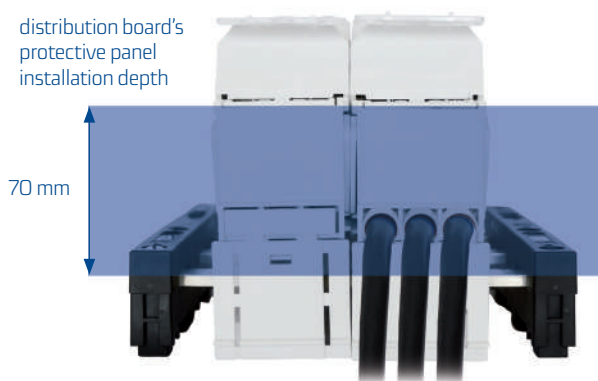
## Saves space in the switchboard

**RBP 000 pro-S** (**RBP 000-pro**) width dimensions is equal to half the width of **RBK 00 pro-S** (**RBK 00 pro**), so we can install more disconnectors (keeping a certain width of the switchboard) to protect individual circuits in the switchboard.



Fuse switch disconnectors **RBP 000 pro-S** are designed for installation of distribution board's protective panels at two depths:

- covering system at 70 mm depth
- covering system at 32 mm depth



Fuse switch disconnectors **RBP 000 pro-S** are manufactured in two versions depending on type of cable terminal

- **RBP 000 pro-SD**-with bottom cable terminal
- **RBP 000 pro-SG**-with top cable terminal

with cables connected to the bottom cable terminal  
**RBP 000 pro-SD**



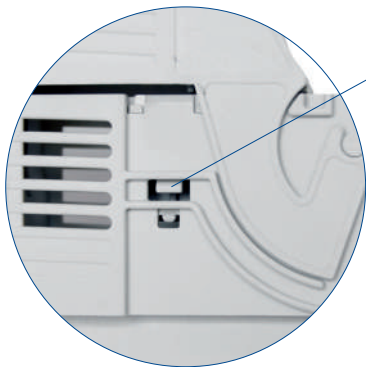


Fuse switch disconnector **RBP 000 pro-S** has special cavity in it's main base encasing busbar system's support.

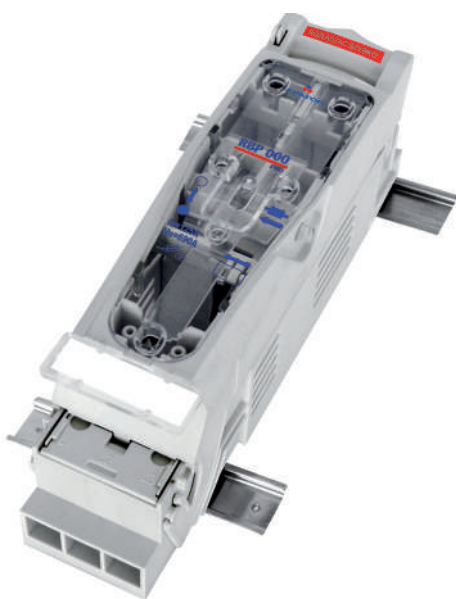


Cavity for busbar system's support

It is possible to install **microswitch indicating** position open/close fuse switch disconnectors.



hole for leading of wires connected to microswitch



Fuse switch disconnector **RBP 000 pro - E 125 mm** for mounting on double DIN rail



**RBP 000 pro** mounting on plate

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

Table 72. Technical data

Parameter		RBK 00 pro		
Rated thermal current $I_{th}^{1)}$	A	160		
Rated voltage $U_n$	V	690		
Utilization category	-	AC-23B	DC-22B	DC-21B
Rated switching current $I_e$	A	160	160	160
Rated switching voltage $U_e$	V	690	250	440
Rated short circuit making current	690 V	kA	80	25/250V
	500 V		-	
	400 V		100	
Rated short circuit withstand current	690 V	kA	80	25/250V
	500 V		-	
	400 V		100	
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	20		
Weight	kg	~0,7		
Size of fuse links	-	00		

<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)

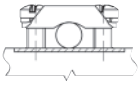
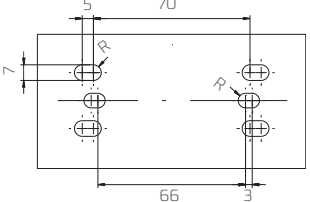
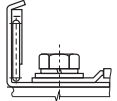
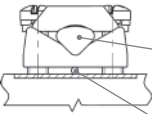





RBK 00 pro

Table 73. Versions

RBK 00 pro/160 A		Cable terminal	Article No.
<b>For installation on mounting plate</b>			
RBK 00 pro	for connection of round conductors	S-bridge clamps	63-823256-111
RBK 00 pro-M	for connection of conductors with lug terminals	M8 screws	63-823256-121
RBK 00 pro-V	for connection of sector-shaped conductors	V-shape clamps	63-823256-131
RBK 00 pro-W	for connection of round conductors lengthened terminal shrouds	S-bridge clamps	63-823256-141
RBK 00 pro-M-W	for connection of conductors with lug terminals, lengthened terminal shrouds	M8 screws	63-823256-151
RBK 00 pro-V-W	for connection of sector-shaped conductors, lengthened terminal shrouds	V-shape clamps	63-823256-161
<b>for mounting on double DIN rail</b>			
RBK 00 pro-E-125mm	double DIN rail with spacing of 125 mm	S-bridge clamps/ M8 screws/ V-shape clamps	On request*
RBK 00 pro-E-150mm	double DIN rail with spacing of 150 mm	S-bridge clamps/ M8 screws/ V-shape clamps	On request*

Table 74. RBK 00 pro terminal clamps

Description	Clamp	Drawing of clamp	Cross-section of conductors	Cu bar	Tightening torque	Dimensions and spacing of holes for installation of RBK 00 pro on mounting plate
RBK 00 pro	S-bridge clamp 2 x M5 x 16		Cu/Al conductor 4÷50 mm <sup>2</sup>	maximum bar width 20 mm	3 Nm*	
	M8 x 16 screw		conductor with lug terminal up to 70 mm <sup>2</sup>		10 Nm*	
	V-shape clamp 2 x M5 x 20		2)  4 mm <sup>2</sup> - 70 mm <sup>2</sup>  4 mm <sup>2</sup> - 95 mm <sup>2</sup> 1)  1,5 mm <sup>2</sup> - 2,5 mm <sup>2</sup>		3 Nm*	

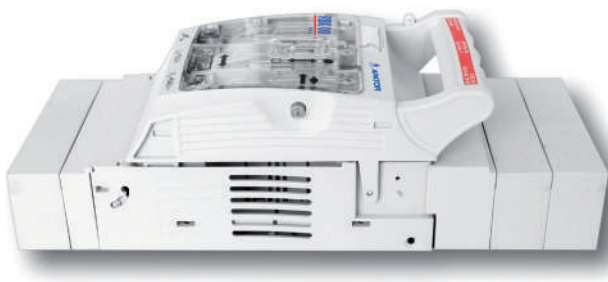
For stranded conductors using cable ferrules is recommended

\*using of tension wrench is recommended

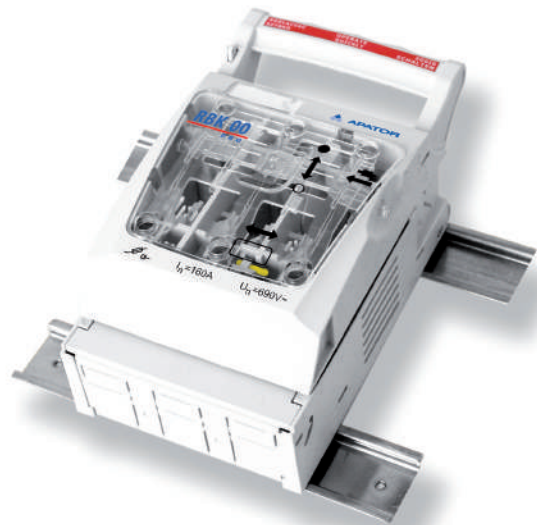
RBK 00 pro



RBK 00 pro-W



Fuse switch disconnecter **RBK 00 pro-W**  
with additional terminal shrouds



Fuse switch disconnecter **RBK 00 pro-E**  
for mounting on double DIN rail

## FUSE SWITCH DISCONNECTORS FOR INSTALLATION ONTO 60 mm BUSBAR SYSTEM RBK 00 pro-S

- system of protective covers provides touch protection
- possible installation of distribution board's protective panel at depth of 32 mm or 70 mm
- built-in hooked clamps provide fast installation onto busbar system
- top/bottom cable terminal

Table 75. Technical data

Parameter		RBK 00 pro-S		
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	Number of cycles	200		
IP degree of protection	IP	20		
Weight	kg	~0,9		
Size of fuse links	-	00		

<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)



RBK 00 pro-S

RBK 00 pro-S

Table 76. Versions

	RBK 00 pro-S	Cable terminal	Article No.
APASY560	<b>For installation on to 60 mm busbar system</b>		
	RBK 00 pro-SG-M	cable terminal – top, for connection of conductors with lug terminals	M8 screws 63-823259-121
	RBK 00 pro-SD-M	cable terminal – bottom, for connection of conductors with lug terminals	M8 screws 63-823259-141
	RBK 00 pro-SG-R	cable terminal-top, for connection of conductors with bare ends	frame clamps 63-823259-151
	RBK 00 pro-SD-R	cable terminal-bottom, for connection of conductors with bare ends	frame clamps 63-823259-161

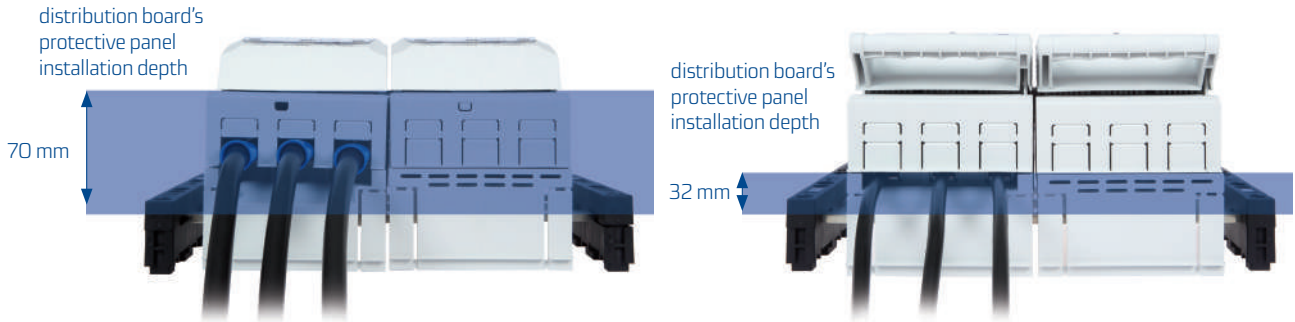
Table 77. RBK 00 pro-S terminal clamps

Description	Clamp	Drawing of clamp	Cross-section of conductors	Cu bar	Tightening torque
RBK 00 pro-SGM RBK 00 pro-SDM	M8 x 16 screw		conductor with lug terminal up to 70 mm <sup>2</sup>	maximum bar width 20 mm	10 Nm*
RBK 00 pro-SGR RBK 00 pro-SDR	frame clamps		4 ÷ 95 mm <sup>2</sup>	-	6 Nm* 3 Nm*

For stranded conductors using cable ferrules is recommended  
\*using of tension wrench is recommended

Fuse switch disconnectors **RBK 00pro-S** are designed for installation of distribution board's protective panels at two depths:

- covering system at 70 mm depth
- covering system at 32 mm depth



Fuse switch disconnectors **RBK 00 pro-S** are manufactured in two versions depending on type of cable terminal

- **RBK 00 pro-SD**-with bottom cable terminal
- **RBK 00 pro-SG**-with top cable terminal

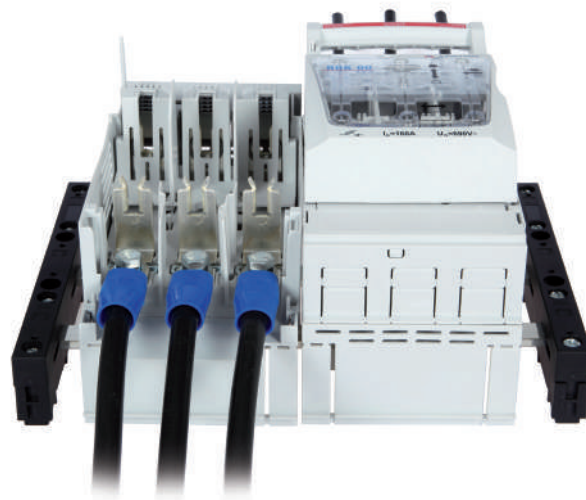


Fuse switch disconnecter **RBK 00 pro-S** has special cavity in it's main base encasing busbar system's support.

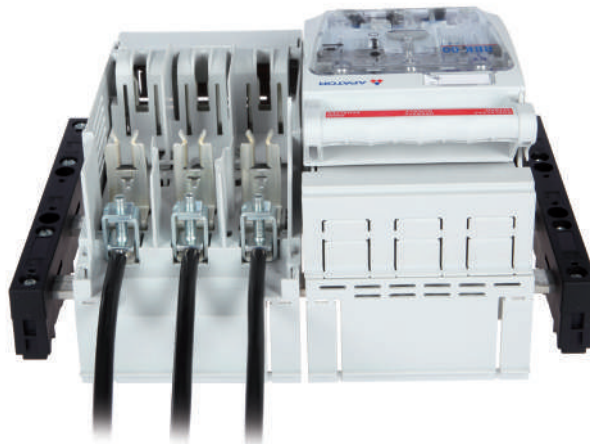


Cable terminals:

M8 screw terminal (**RBK 00 pro-SDM, RBK 00 pro-SGM**)



Frame clamp (**RBK 00 pro-SDR, RBK 00 pro-SGR**)



It is possible to install **microswitch indicating** position in fuse switch disconnectors **RBK 00 pro-S**.

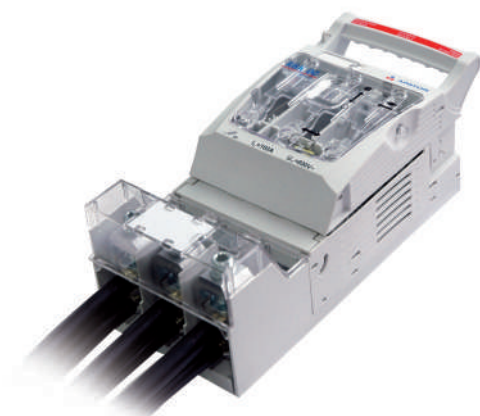


hole for leading  
of wires connected  
to microswitch





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



RBK 00 pro V 120

Table 78. 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	Number of cycles	200		
IP degree of protection	IP	IP20		
Weight	kg	~0,9		
Size of fuse links	-	00		


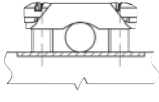

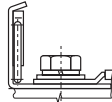

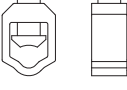











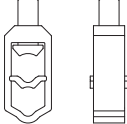




<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)

Table 79. Versions

RBK 00 pro V 120		Article No.
<b>For installation on mounting plate</b>		
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



Table 80. RBK 00 pro-V120 terminal clamps

	Clamp	Picture of a clamp	Drawing of clamp	Cross-section of conductors	Cu bar	Tightening torque
terminals on the consumer side	S-bridge clamp 2 x M5 x 16			Cu/Al conductor 4 ÷ 50 mm <sup>2</sup>	maximum bar width 20 mm	3 Nm*
	M8 x 16 screw			conductor with lug terminal up to 70 mm <sup>2</sup>		10 Nm*
cable terminals	V-clamp			 25 ÷ 150 mm <sup>2</sup>  **	-	20 Nm*
				 16 ÷ 95 mm <sup>2</sup>  **		
	HM 10-120			 10 - 70 mm <sup>2</sup>  **		15 Nm*
				 25 - 120 mm <sup>2</sup>  ** 25 - 95 mm <sup>2</sup>		
	double V-clamp			 2 x (25 ÷ 120 mm <sup>2</sup> )  **		20 Nm*
				 2 x (16 ÷ 95 mm <sup>2</sup> )  **		

\*using of tension wrench is recommended

\*\*for stranded conductors using cable ferrules is recommended

RBK 00 pro V 120

## New features of cable terminals

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

## Space saving

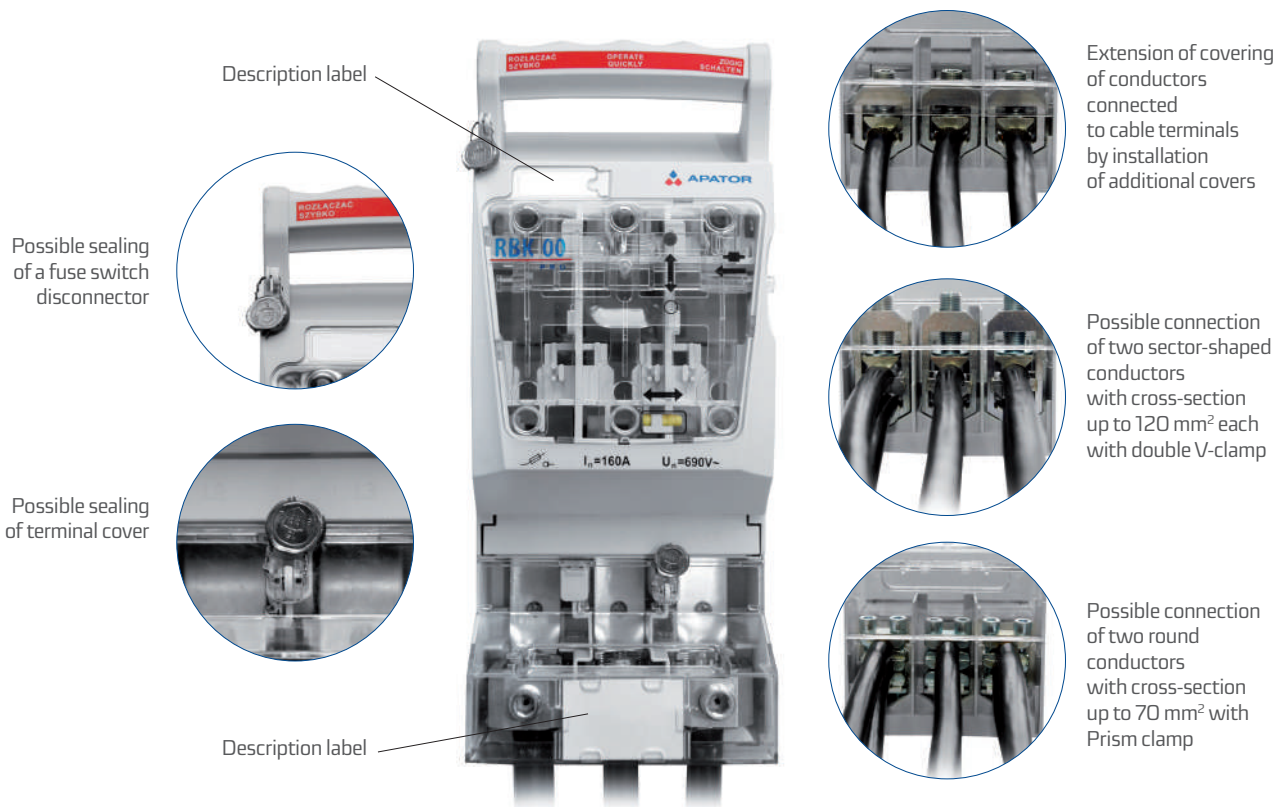
- possible reduction of external width of cable distribution cabinet to width of a fuse switch disconnecter

## 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)

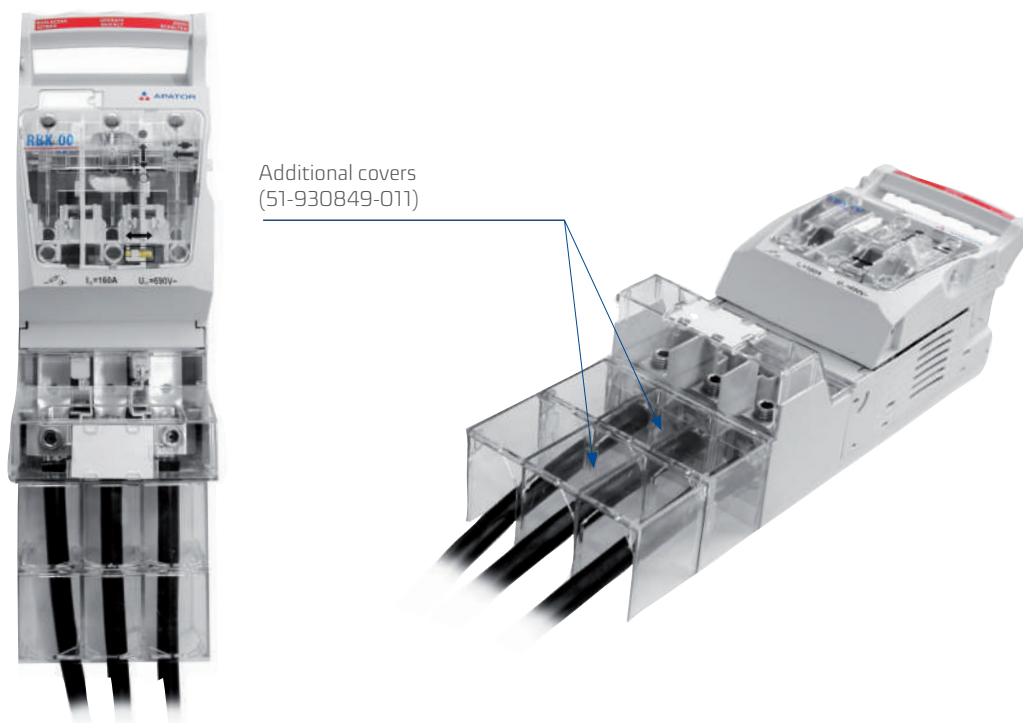
## Safety

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

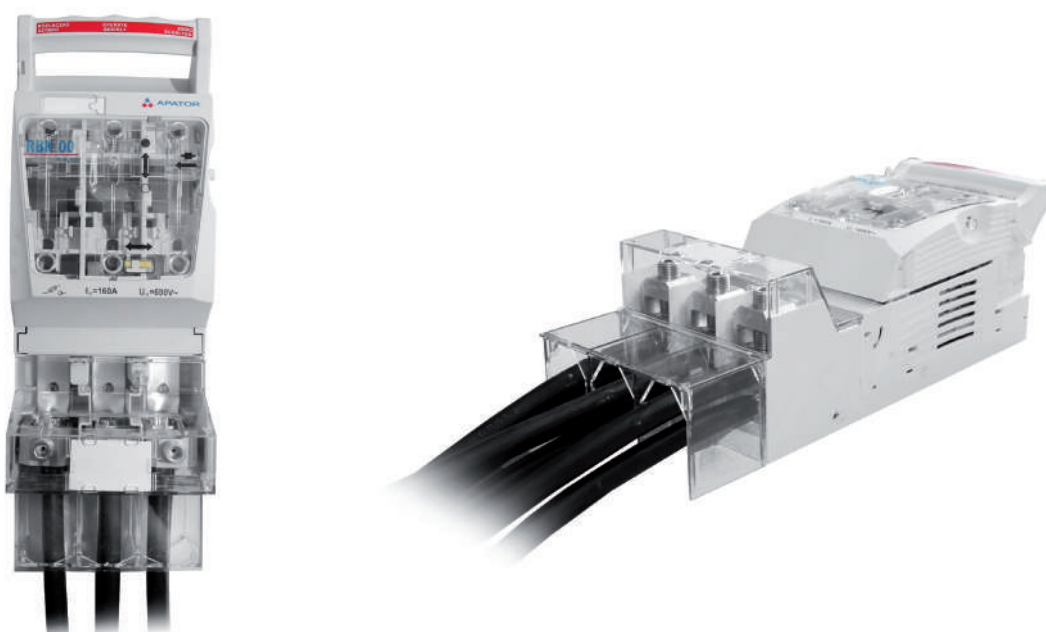


## Extended covering of conductors connected to cable terminal

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<sup>2</sup>



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

## RBK 1 pro (250 A, 690 V)



RBK 1 pro  
for installation  
on mounting plate

Table 81. 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 <sup>2)</sup>
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		

<sup>1)</sup>  $I_{th}$  - 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 82. 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 83. Versions

RBK 1 pro-S			
For installation on to busbar system		Cable terminals	Article No.
<b>100 mm busbar system</b>			
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 84. 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 <sup>2</sup>	conductor with lug terminal up to 120 mm <sup>2</sup>	V-clamp for direct fixing of conductor with bare end with cross-section of: 35 - 150 mm <sup>2</sup> 50 - 240 mm <sup>2</sup> ** 35 - 185 mm <sup>2</sup> 50 - 300 mm <sup>2</sup>
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 2 pro (400 A, 690 V)

Table 85. Technical data

Parameter		RBK 2 pro / RBK 2 pro-S		
Rated thermal current $I_{th}$	A	400		
Napięcie znamionowe $U_n$	V	690		
Utilization category	-	AC-23B	DC-22B	DC-21B
Rated switching current $I_b$	A	400	400	400
Rated switching voltage $U_e$	V	690	220	440
Rated short circuit making current	690 V	kA	80	20/250V, 15/440V
	500 V			
	400 V		100	
Rated short circuit withstand current	690 V	kA	80	20/250V, 15/440V
	500 V		-	
	400 V		100	
Rated insulation voltage $U_i$	V	1000		
Rated impulse withstand voltage $U_{imp}$	kV	12		
Rated frequency	Hz	50-60	-	
Mechanical durability	Number of cycles	1000		
Electrical durability		200		
IP degree of protection	IP	20		
Weight	kg	~3, ~4,5		
Size of fuse links	-	2		



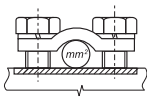
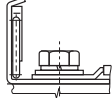
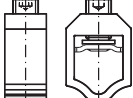
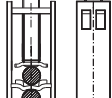








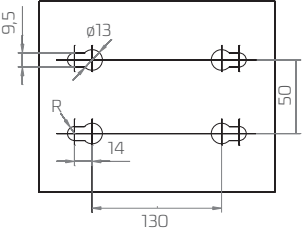
RBK 2-V pro  
for installation on mounting plate

Table 86. Versions

RBK 2 pro/400 A		Cable terminal	Article No.	
<b>For installation on mounting plate</b>				
RBK 2 pro	for connection of round conductors	S-bridge clamps	63-811685-011	
RBK 2 pro-V	for connection of sector-shaped conductors	V-clamps	63-811685-071	
RBK 2 pro-2V	for connection of sector-shaped conductors	double V-clamps	63-811685-081	
RBK 2 pro-M	or connection of conductors with lug terminals	M10 screws	63-811685-061	
RBK 2 pro-VG	for connection of sector-shaped / round conductors top terminals - V-clamps, bottom terminals - S-bridge clamps	V-clamps / S-bridge clamps	63-811685-201	
RBK 2 pro-VG-M	for connection of sector-shaped conductors / conductors with lug terminals top terminals - V-clamps, bottom terminals - screw terminals	V-clamps / S-bridge clamps	63-811685-202	
RBK 2 pro-VD	for connection of round / sector-shaped conductors top terminals - S-bridge clamps, bottom terminals - V-clamps	V-clamps / S-bridge clamps	63-811685-203	
RBK 2 pro-VD-M	for connection of conductors with lug terminals / sector-shaped conductors top terminals - screw terminals, bottom terminals - V-clamps	screws / V-clamps	63-811685-204	
<b>For installation on to 60 mm busbar system</b>				
APASYS 60	RBK 2 pro-SD-M 60	Bottom cable terminals, for connection of conductors with lug terminals	M10 screws	63-811686-061
	RBK 2 pro-SG-M 60	Top cable terminals, for connection of conductors with lug terminals	M10 screws	63-811686-051
	RBK 2 pro-SD-V 60	Bottom cable terminals, for connection of sector-shaped conductors	V-clamps	63-811686-101
	RBK 2 pro-SG-V 60	Top cable terminals, for connection of sector-shaped conductors	V-clamps	63-811686-091
	RBK 2 pro-SD-2V 60	Bottom cable terminals, for connection of sector-shaped conductors	double V-clamps	63-811686-141
	RBK 2 pro-SG-2V 60	Top cable terminals, for connection of sector-shaped conductors	double V-clamps	63-811686-131
<b>For installation on to 100 mm busbar system</b>				
RBK 2 pro-SD-M 100	Bottom cable terminals, for connection of conductors withlug terminals	M10 screws	63-811686-081	
RBK 2 pro-SG-M 100	Top cable terminals, for connection of conductors with lug terminals	M10 screws	63-811686-071	
RBK 2 pro-SD-V 100	Bottom cable terminals, for connection of sector-shaped conductors	V-clamps	63-811686-121	
RBK 2 pro-SG-V 100	Top cable terminals, for connection of sector-shaped conductors	V-clamps	63-811686-111	
RBK 2 pro-SD-2V 100	Bottom cable terminals, for connection of sector-shaped conductors	double V-clamps	63-811686-161	
RBK 2 pro-SG-2V 100	Top cable terminals, for connection of sector-shaped conductors	double V-clamps	63-811686-151	



Table 87. RBK 2 pro terminal clamps

Description	RBK 2 pro			
	Clamp	S-bridge clamp 2 x M8 x 30	M10 x 30 screw	V-clamp 35-300SW-B
Drawing of clamp				
Cross-section of conductors	Cu/Al conductor 50 ÷ 185 mm <sup>2</sup>	conductor with lug terminal up to 240 mm <sup>2</sup>	V-clamp for direct fixing of conductor with bare end with cross-section:	
			35 - 185 mm <sup>2</sup>  35 - 240 mm <sup>2</sup>  35 - 240 mm <sup>2</sup>  35 - 300 mm <sup>2</sup> 	35 - 185 mm <sup>2</sup>  35 - 240 mm <sup>2</sup>  35 - 240 mm <sup>2</sup>  35 - 300 mm <sup>2</sup> 
Cu bar	maximum bar width 35 mm			
Tightening torque	10 Nm*	20 Nm*	30 Nm*	40 Nm*
Dimensions and spacing of holes for installation of RBK 2 on mounting plate				

For stranded conductors using cable ferrules is recommended  
\*using of tension wrench is recommended



**RBK 2 pro-V**  
for installation  
on mounting plate,  
cable terminals: V-clamps



**RBK 2 pro-2V**  
for installation  
on mounting plate,  
cable terminals: double V-clamps



**RBK 2 pro-SG** (top cable terminal: M10 screws)  
**RBK 2 pro-SD** (bottom cable terminal: M10 screws)  
for installation on to busbar systems



**RBK 2 pro-SG-V** (top cable terminal: double V-clamp)  
**RBK 2 pro-SD-V** (bottom cable terminal: double V-clamp)  
for installation on to busbar systems  
cable terminals: V-clamps



**RBK 2 pro-SG-2V** (top cable terminal: V-clamp)  
**RBK 2 pro-SD-2V** (bottom cable terminal: V-clamp)  
for installation on to busbar systems  
cable terminal: double V-clamps

## RBK 3 pro (630 A, 690 V)

Table 88. Technical data

Parameter		RBK 3 pro			RBK 3 pro-S		
		AC-23B	AC-22B	DC-21B	AC-23B	AC-22B	DC-21B
Rated thermal current $I_{th}^{(1)}$	A	630			630		
Rated voltage $U_n$	V	690			690		
Utilization category	-	AC-23B	AC-22B	DC-21B	AC-23B	AC-22B	DC-21B
Rated switching current $I_e$	A	630	630	630	630	630	630
Rated switching voltage $U_e$	V	400	690	440	400	500	690
Rated short circuit making current	690 V	kA	80	35/440V	80		
	500 V		-			-	
	400 V		-			-	
Rated short circuit withstand current	690 V	kA	80	35/440V	80		
	500 V		-			-	
	400 V		-			-	
Rated insulation voltage $U_i$	V	1000			1000		
Rated impulse withstand voltage $U_{imp}$	kV	12			12		
Rated frequency	Hz	50-60	-		50-60		
Mechanical durability	Number	1000			1000		
Electrical durability	of cycles	200			200		
IP degree of protection	IP	20			20		
Weight	kg	~4,3			~4,9		
Size of fuse links	-	3			3		

<sup>1)</sup>  $I_{th}$  - thermal current of fuse switch disconnecter without external enclosure, installed outdoors  
(In case of the installation of fuse switch disconnectors in enclosures then load factor should be considered)



RBK 3 pro  
main version  
for installation  
on mounting plate

RBK 3 pro

Table 89. Versions

RBK 3 pro		Cable terminal	Article No.
<b>For installation on mounting plate</b>			
RBK 3 pro	for connection of round conductors	S-bridge clamps	63-811761-011
RBK 3 pro-M	for connection of conductors with lug terminals	M12 screws	63-811761-021
RBK 3 pro-M-2xVD	cable terminals: for connection of conductors with lug terminals - top M screws, for connection of sector-shaped conductors - bottom V-clamps	M12 screws/V-shape terminals	63-811761-031
<b>APASYS 60 RBK 3 pro, RBK 3 pro-S for installation on 60 mm busbar system</b>			
RBK 3 pro-SD	bottom cable terminals, for connection of round conductors	S-bridge clamps	63-028802-001
RBK 3 pro-SG	top cable terminals, for connection of round conductors	S-bridge clamps	63-028802-002
RBK 3 pro-SD-M	bottom cable terminals, for connection of conductors with lug terminals	M12 screws	63-028802-003
RBK 3 pro-SG-M	top cable terminals, for connection of conductors with lug terminals	M12 screws	63-028802-004

Table 90. RBK 3 pro terminal clamps

Description	RBK 3 pro			Dimensions and spacing of holes for installation of RBK 3 pro on mounting plate
	S-bridge clamp 2 x M8 x 35	M12 x 30 screw	V-clamp 35-300SW-B	
Drawing of clamp				
Cross-section of conductors	Cu/Al conductor 50 ÷ 185 mm <sup>2</sup>	conductor with lug terminal up to 240 mm <sup>2</sup>	V-clamp for direct fixing of two conductors with bare ends with cross-section of:	
Cu bar	maximum bar width 35 mm		35 - 185 mm <sup>2</sup> 35 - 240 mm <sup>2</sup> 35 - 240mm <sup>2</sup> 35 - 300 mm <sup>2</sup>	
Tightening torque	10 Nm*	20 Nm*	30 Nm*	

For stranded conductors using cable ferrules is recommended  
\*using of tension wrench is recommended

## RBK 4a (1250 A, 500 V; 1600 A, 400 V)



RBK 4a  
for installation on mounting plate

Table 91. Technical data

Parameter	RBK 4a	
Rated thermal current $I_{th}$	A	1250 1600
Utilization category	-	AC-22B AC-21B
Rated switching voltage $U_e$	V	500 400
Rated switching current $I_e$	A	1250 1600
Rated short circuit withstand current	kA	50
Rated insulation voltage $U_i$	V	800
Rated impulse withstand voltage $U_{imp}$	kV	8
Rated frequency	Hz	50-60
Mechanical durability		600
Electrical durability		100
IP degree of protection		IP20
Size of fuse links		4a

Table 92. Versions

RBK 4a		Weight	Cable terminal	Article No.
RBK 4a/1250/1	ONE POLE SWITCHING - each phase independently, for connection of conductors with lug terminals	4,2 kg	screws	63-946868-001
RBK 4a/1250/3	THREE POLE SWITCHING - all phases simultaneously, for connection of conductors with lug terminals	13,0 kg	screws	63-946868-002
RBK 4a/1600/1	ONE POLE SWITCHING - each phase independently, for connection of conductors with lug terminals	5,0 kg	screws	63-946869-001
RBK 4a/1600/3	THREE POLE SWITCHING - all phases simultaneously, for connection of conductors with lug terminals	14,0 kg	screws	63-946869-002

Table 93. RBK 4a terminal clamps

Description	RBK 4a 1250	RBK 4a 1600
Clamp	M16 x 50 screw	2 x M12 x 60 screw
Drawing of clamp		
Cross-section of conductors	conductor with lug terminal up to 800 mm <sup>2</sup>	
Cu bar	2 x 80 x 10	
Tightening torque	56 Nm*	
Dimensions and spacing of holes for installation of RBK 4a on mounting plate		

\*using of tension wrench is recommended

## Electronic fuse monitoring module - description

- L1, L2, L3 diodes are flashing - all three phases are supplied, all fuse links are operational. Relay contacts: [21..22] - closed; [13..14] - opened
- L1, L2, L3 diodes are blinking - all three phases are supplied, fuse links operated Relay contacts: [21..22] - opened; [13..14] - closed
- L1, L2, L3 diodes are off - two or more phases are not supplied or fuse links are removed. Relay contacts: [21..22] - opened; [13..14] - closed



RBK 00-X  
with electronic fuse monitoring module

## Parameters

- operating voltage AC - 400 ÷ 690 V, 40 ÷ 60 Hz;
- relay parameters 5A, 250 V~

### CAUTION!

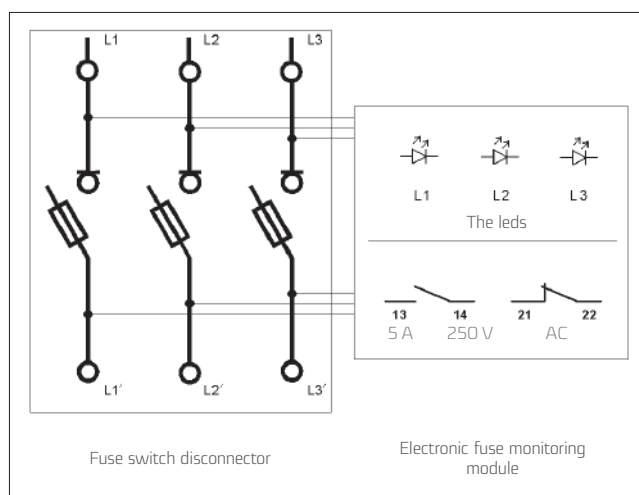
For use only with fuse-links with non-isolated gripping lugs!

## Electronic fuse monitoring module versions according to power supply connection

RBK 00-XT - for RBK 00 installed on mounting plate, with power supply connected to top cable terminals

RBK 00-X - for RBK 00 installed on mounting plate, with power supply connected to bottom cable terminals

RBK 00S-X - for RBK 00 installed on to 60 mm busbar system

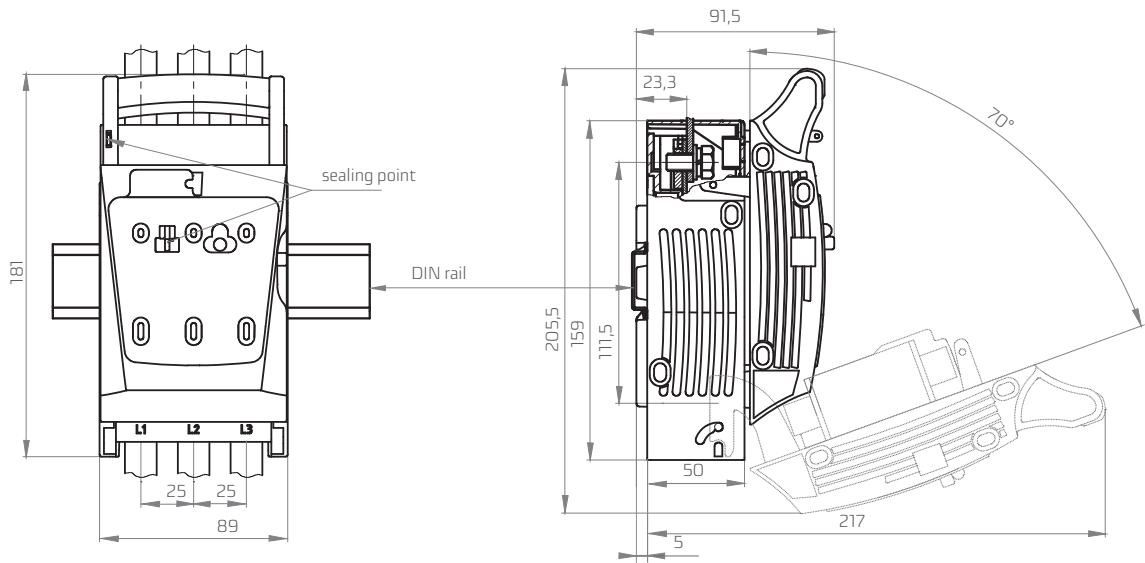


disconnecter contact position during normal operation

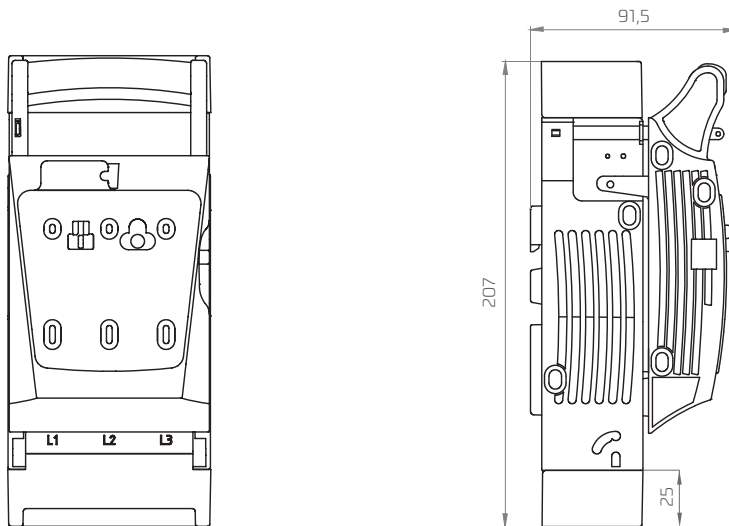
Table 94. Versions

Versions with electronic fuse monitoring module, cable terminals - S-bridge clamps		
RBK 00 pro-XT	For installation on mounting plate, power supply connected to top cable terminals	63-823304-011
RBK 00 pro-X	For installation on mounting plate, power supply connected to top bottom terminals	63-823304-021
RBK 00 pro-SG-X	For installation on to 60 mm busbar system, top cable terminals, busbar power supply	63-823345-011
RBK 00 pro-SD-XT	For installation on to 60 mm busbar system, bottom cable terminals, busbar power supply	63-823345-021
RBK 1 pro-XT	For installation on mounting plate, power supply connected to top cable terminals	63-811785-011
RBK 1 pro-X	For installation on mounting plate, power supply connected to top bottom terminals	63-811785-021
RBK 1 pro-SG 60-X	For installation on to 60 mm busbar system, top cable terminals, busbar power supply	63-811787-011
RBK 1 pro-SD 60-XT	For installation on to 60 mm busbar system, bottom cable terminals, busbar power supply	63-811787-021
RBK 1 pro-SG 100-X	For installation on to 100 mm busbar system, top cable terminals, busbar power supply	63-811787-031
RBK 1 pro-SD 100-XT	For installation on to 100 mm busbar system, bottom cable terminals, busbar power supply	63-811787-041
RBK 2 pro-XT	For installation on mounting plate, power supply connected to top cable terminals	63-811786-011
RBK 2 pro-X	For installation on mounting plate, power supply connected to top bottom terminals	63-811786-021
RBK 2 pro-SG 60-X	For installation on to 60 mm busbar system, top cable terminals, busbar power supply	63-811788-011
RBK 2 pro-SD 60-XT	For installation on to 60 mm busbar system, bottom cable terminals, busbar power supply	63-811788-021
RBK 2 pro-SG 100-X	For installation on to 100 mm busbar system, top cable terminals, busbar power supply	63-811788-031
RBK 2 pro-SD 100-XT	For installation on to 100 mm busbar system, bottom cable terminals, busbar power supply	63-811788-041

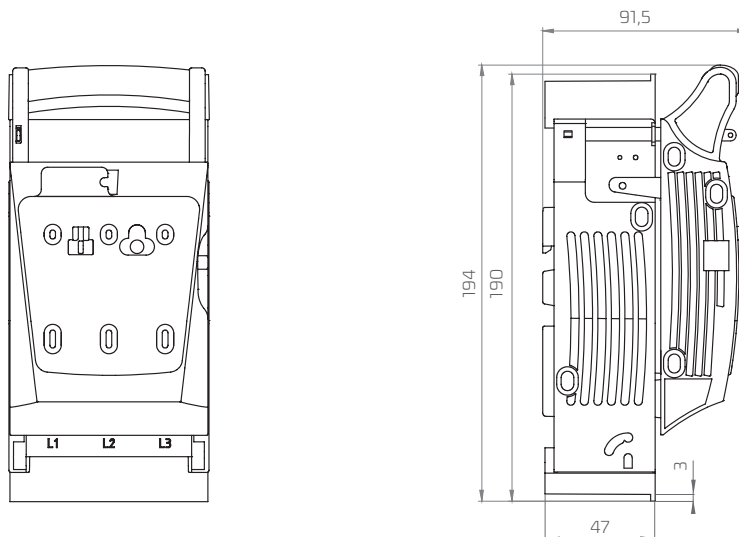
RBK 000 pro  
RBK 000 pro-E



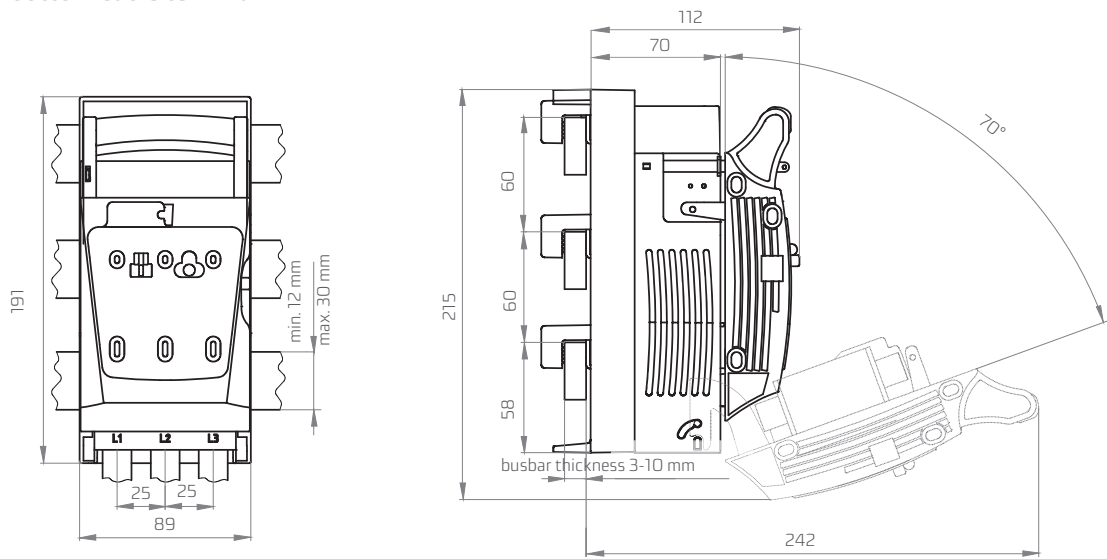
RBK 000 pro-O



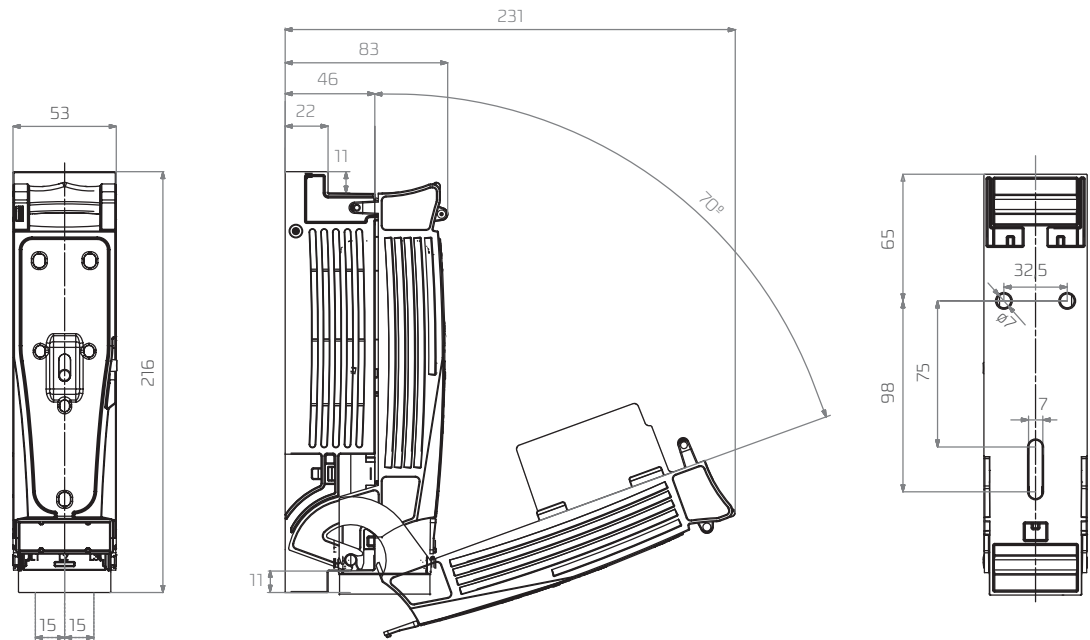
RBK 000 pro-W



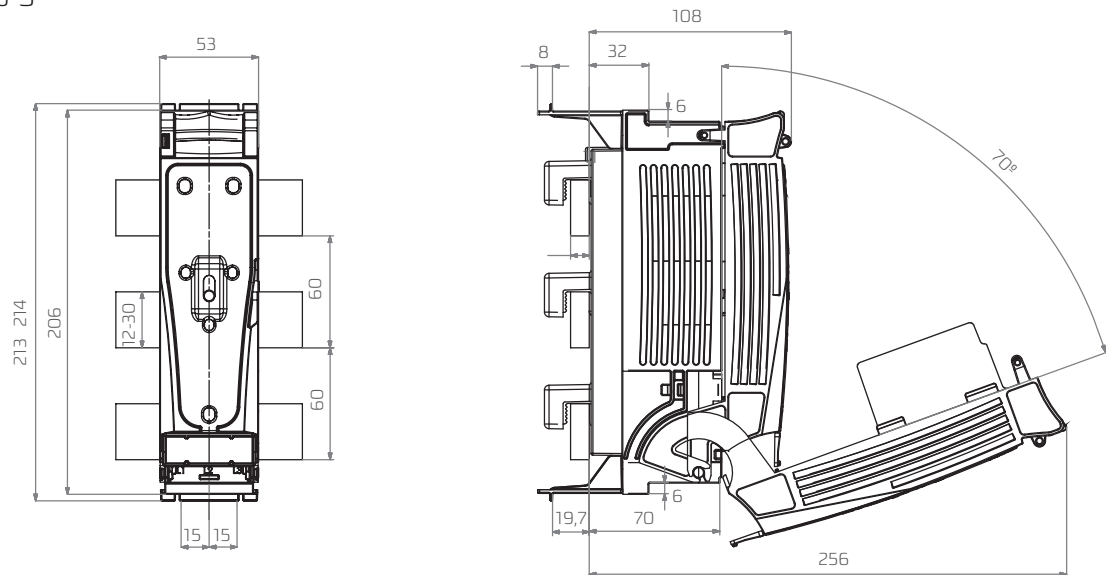
RBK 000 pro-SG top cable terminal  
 RBK 000 pro-SD bottom cable terminal



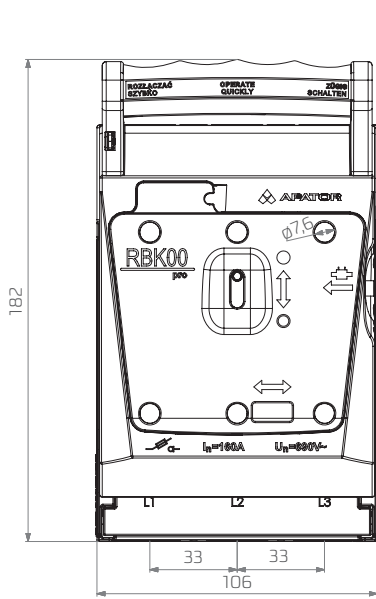
RBP 000 pro



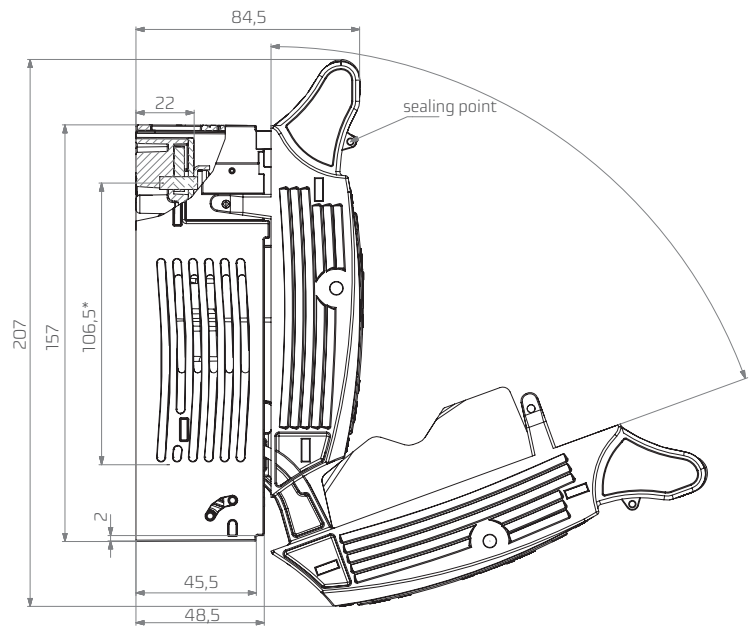
RBP 000 pro-S



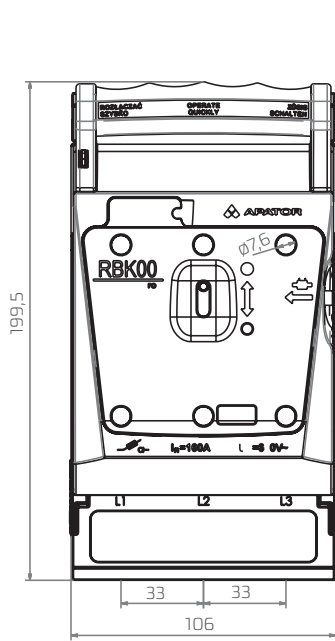
RBK 00 / RBK 00 pro



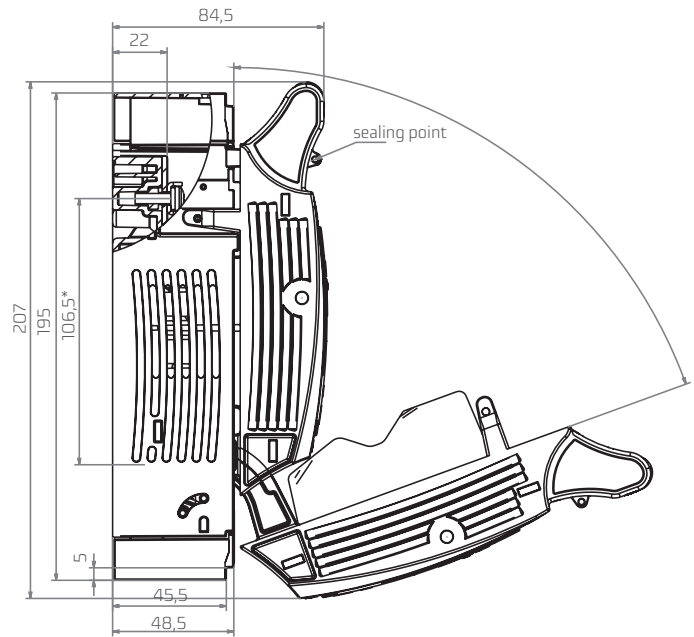
\*122.5 mm for M screw terminal (for busbar and lug terminal)



RBK 00-W / RBK 00 pro-W,

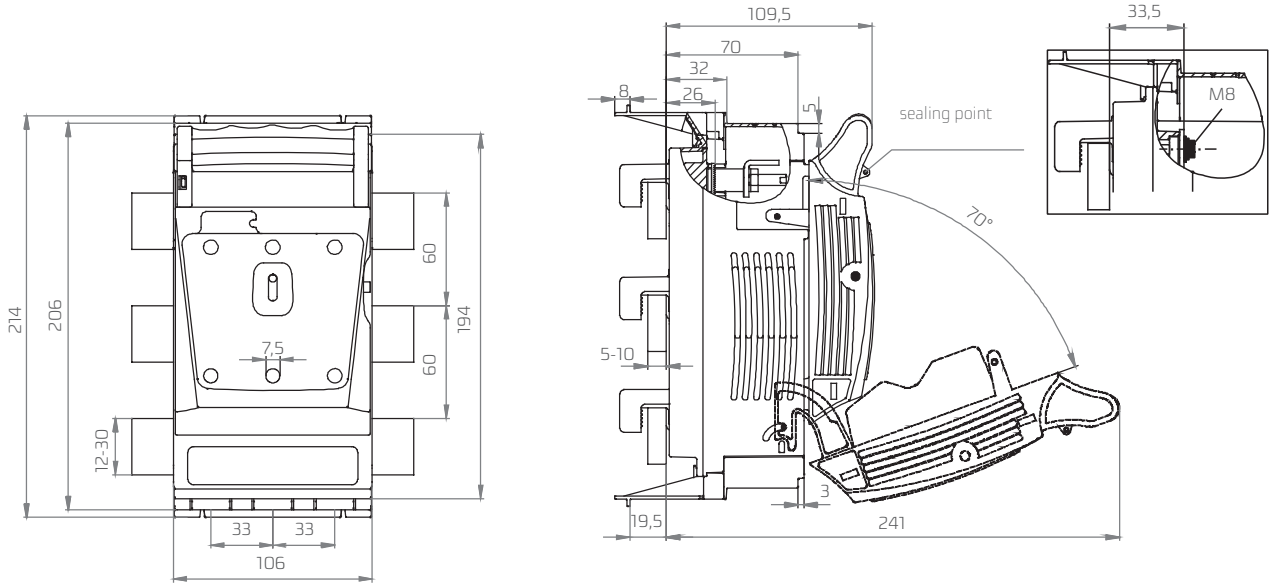


\*122.5 mm for M screw terminal (for busbar and lug terminal)

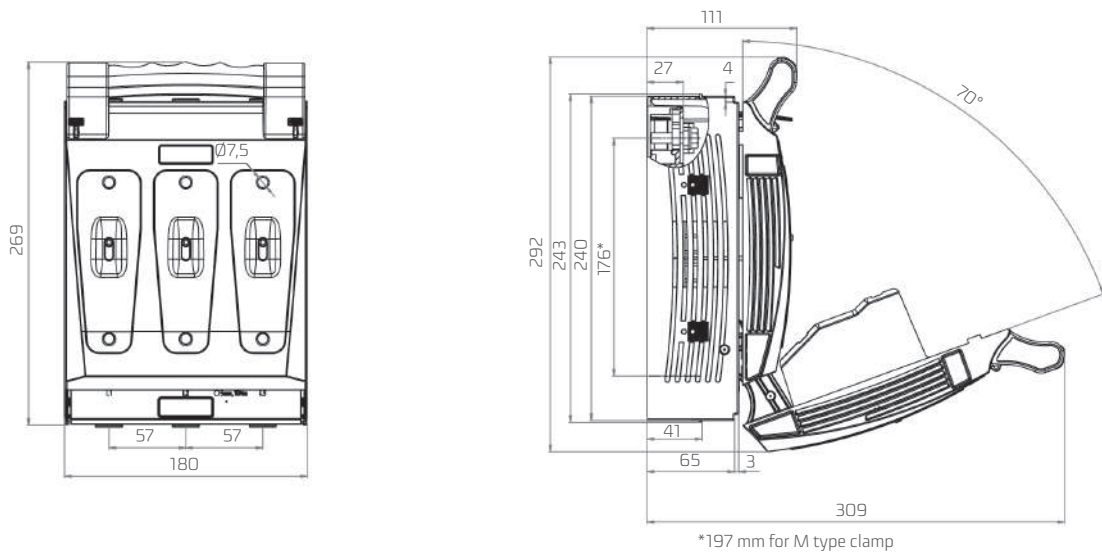




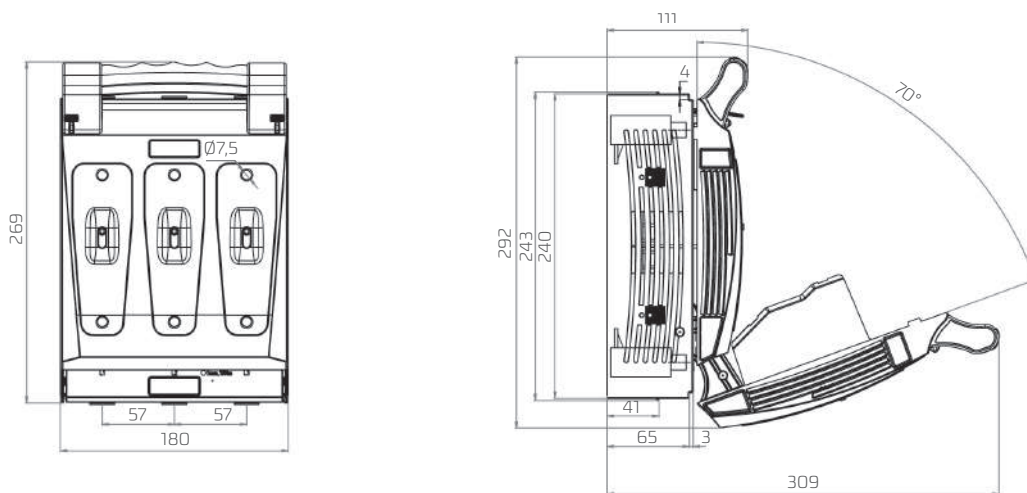
RBK 00 pro-S



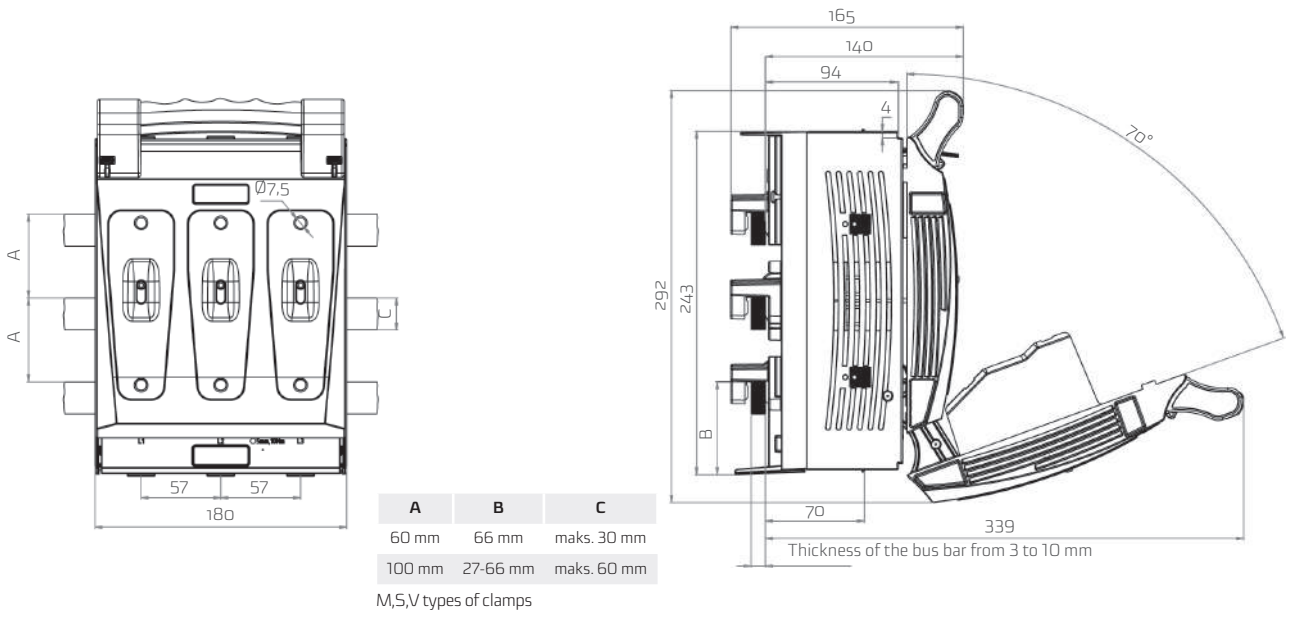
RBK 1, RBK 1 pro



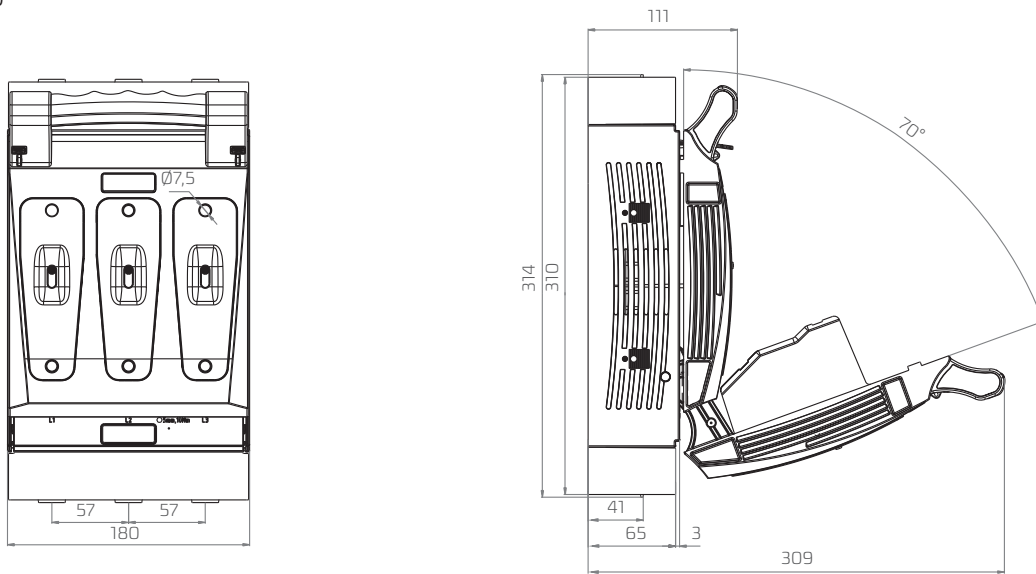
RBK 1 pro-V



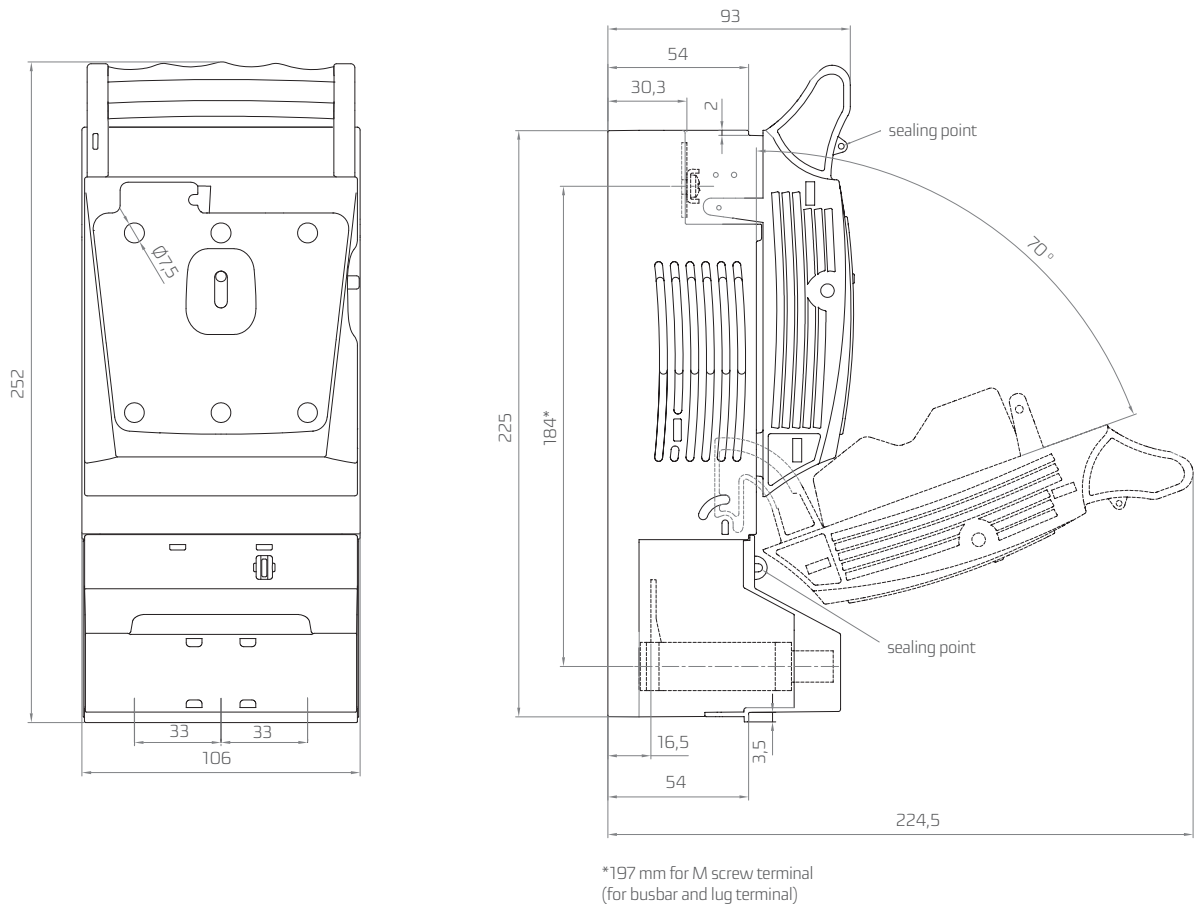
RBK 1 pro-SD, RBK 1 pro-SG



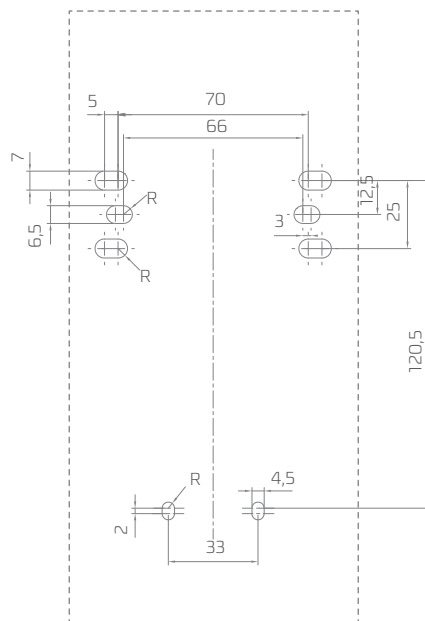
RBK 1 pro-O



RBK 00 pro-V120

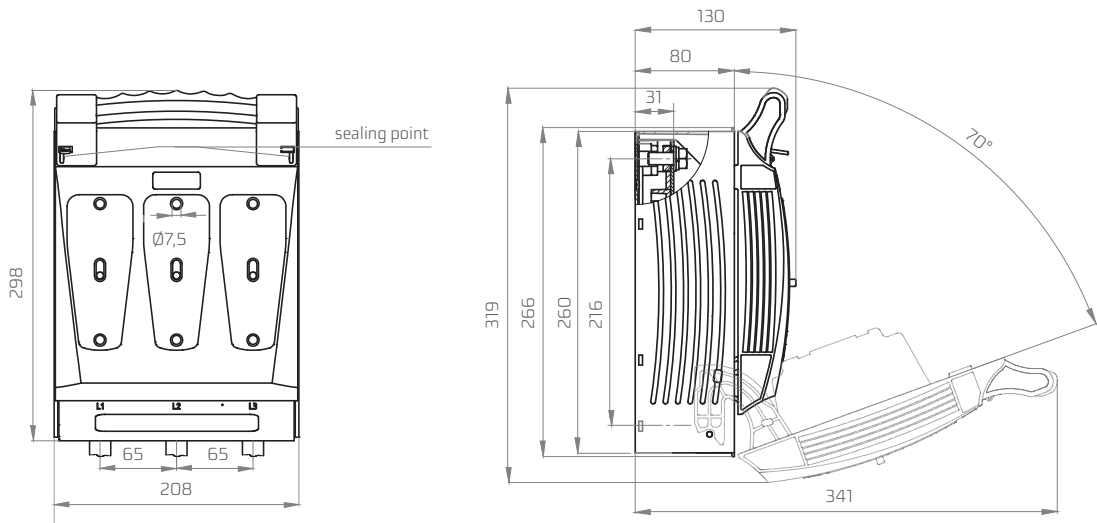


RBK DIMENSIONS

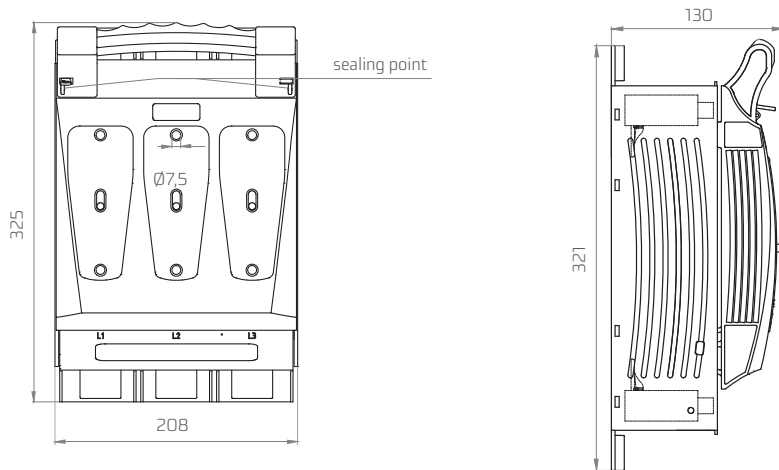


spacing of holes for installation of RBK 00 pro-V120 on mounting plate

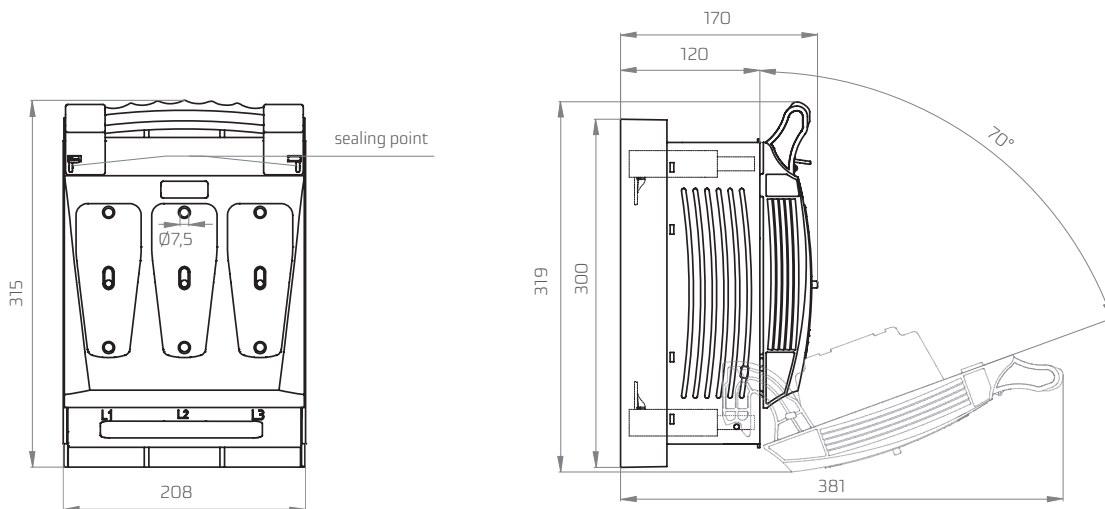
RBK 2 pro



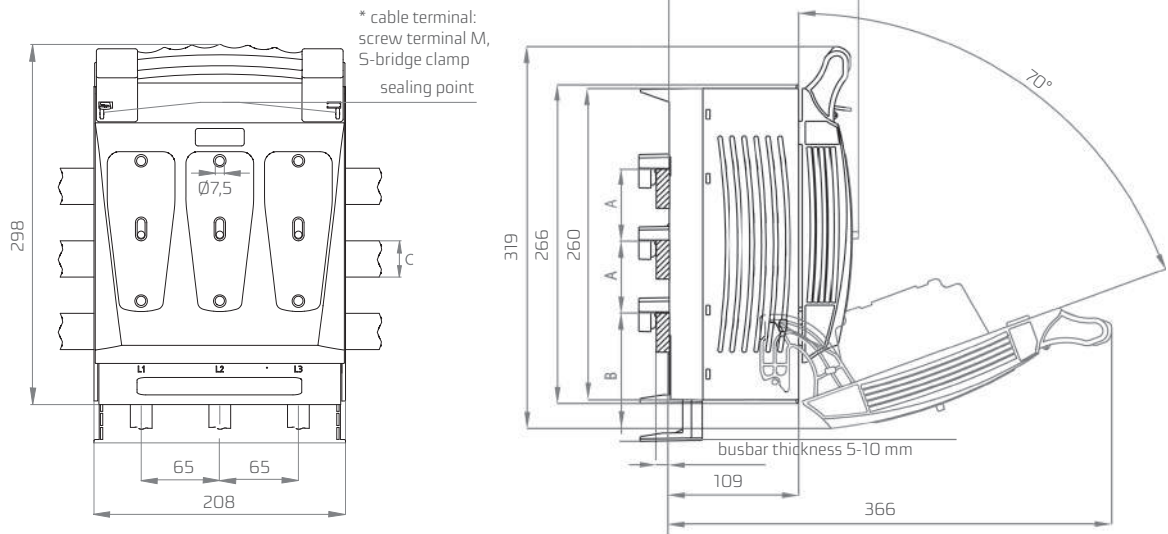
RBK 2 pro-V



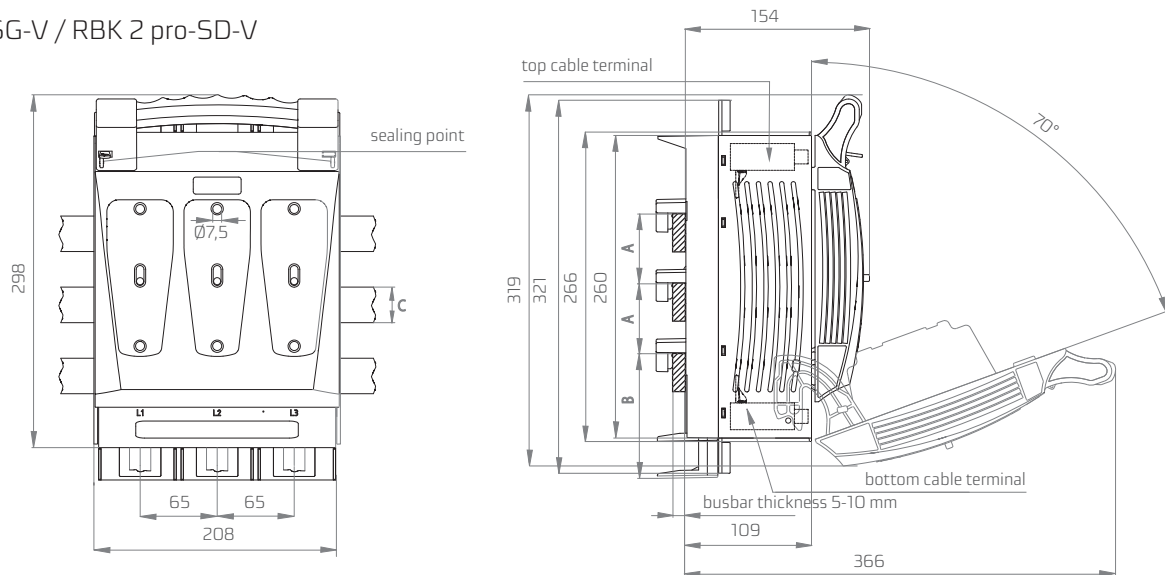
RBK 2 pro-2V



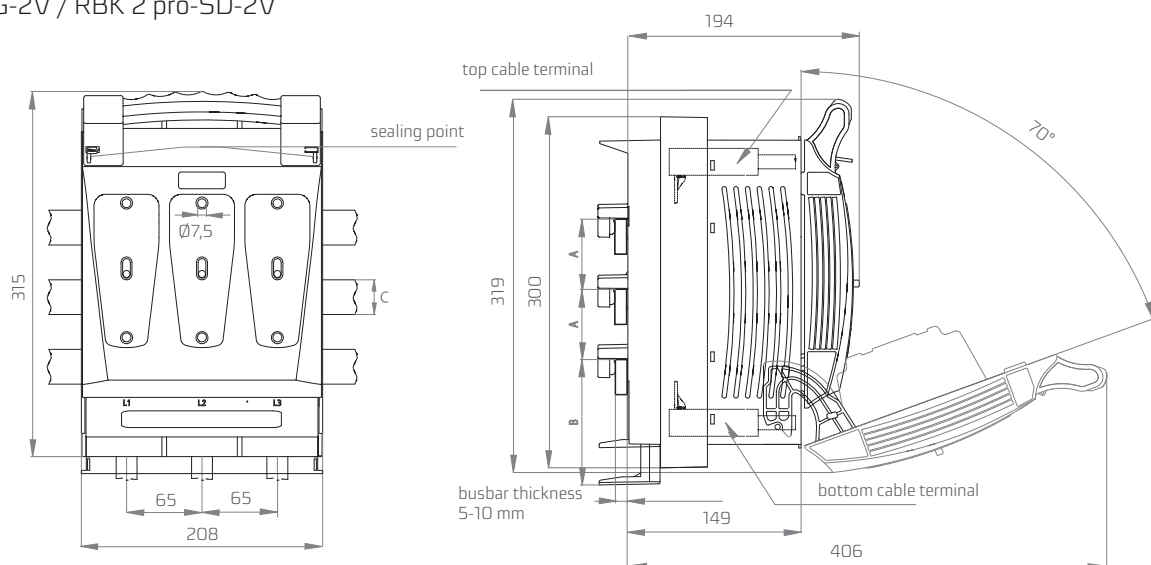
### RBK 2 pro-SG / RBK 2 pro-SD



### RBK 2 pro-SG-V / RBK 2 pro-SD-V

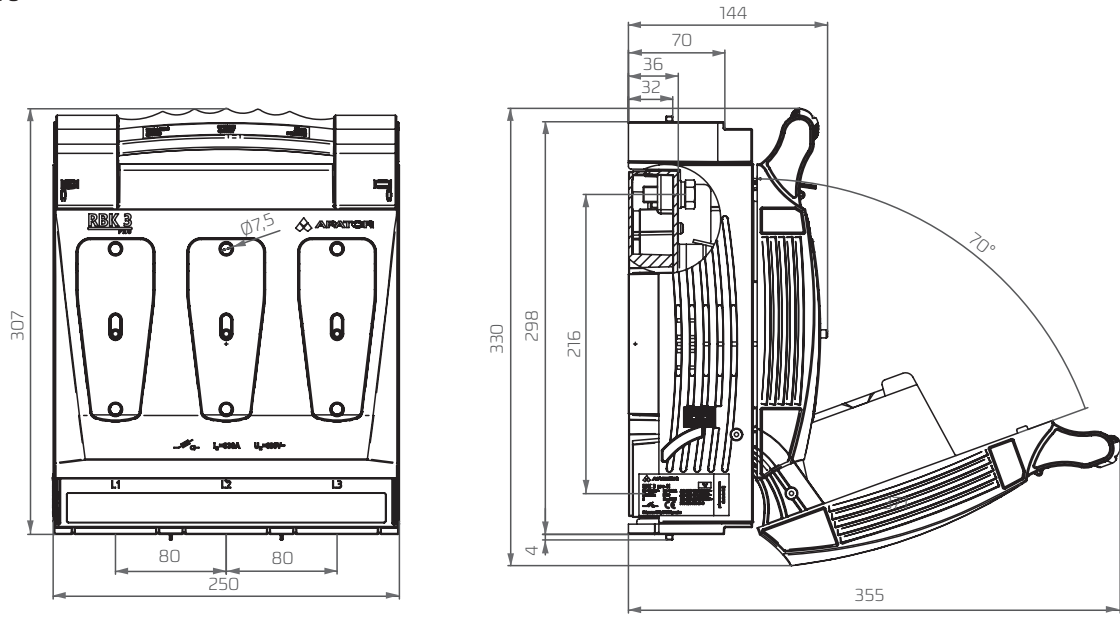


### RBK 2 pro-SG-2V / RBK 2 pro-SD-2V

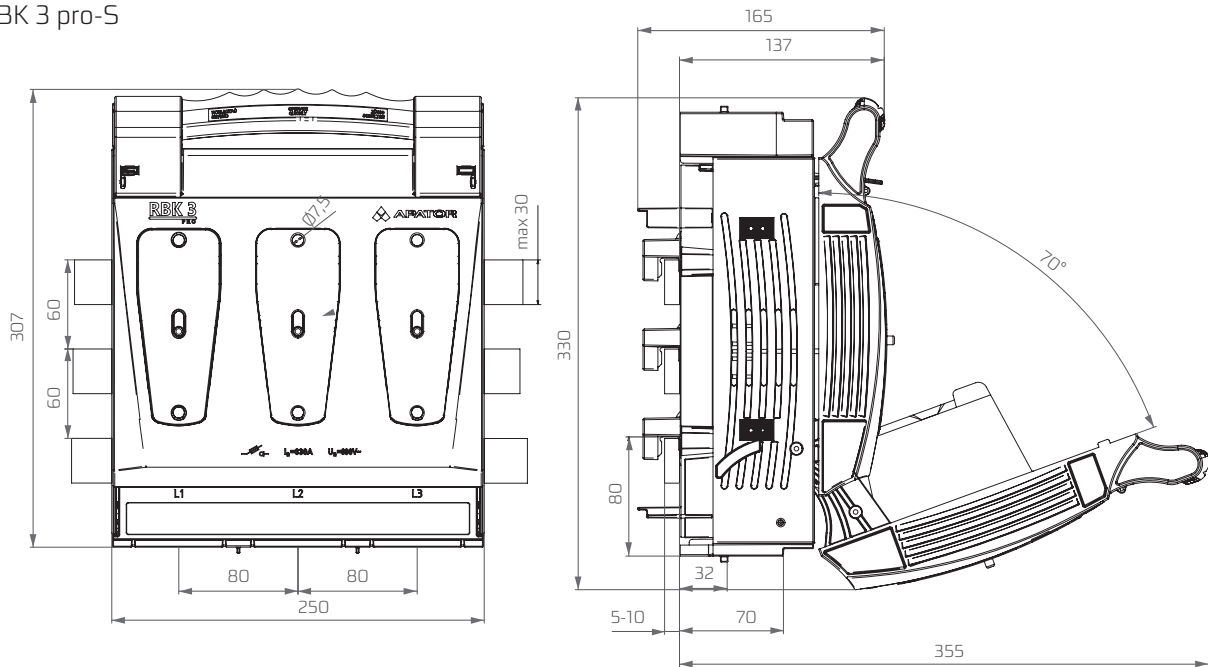


A	B	C
60 mm	75 mm	max. 30 mm
100 mm	35-67 mm	max. 60 mm

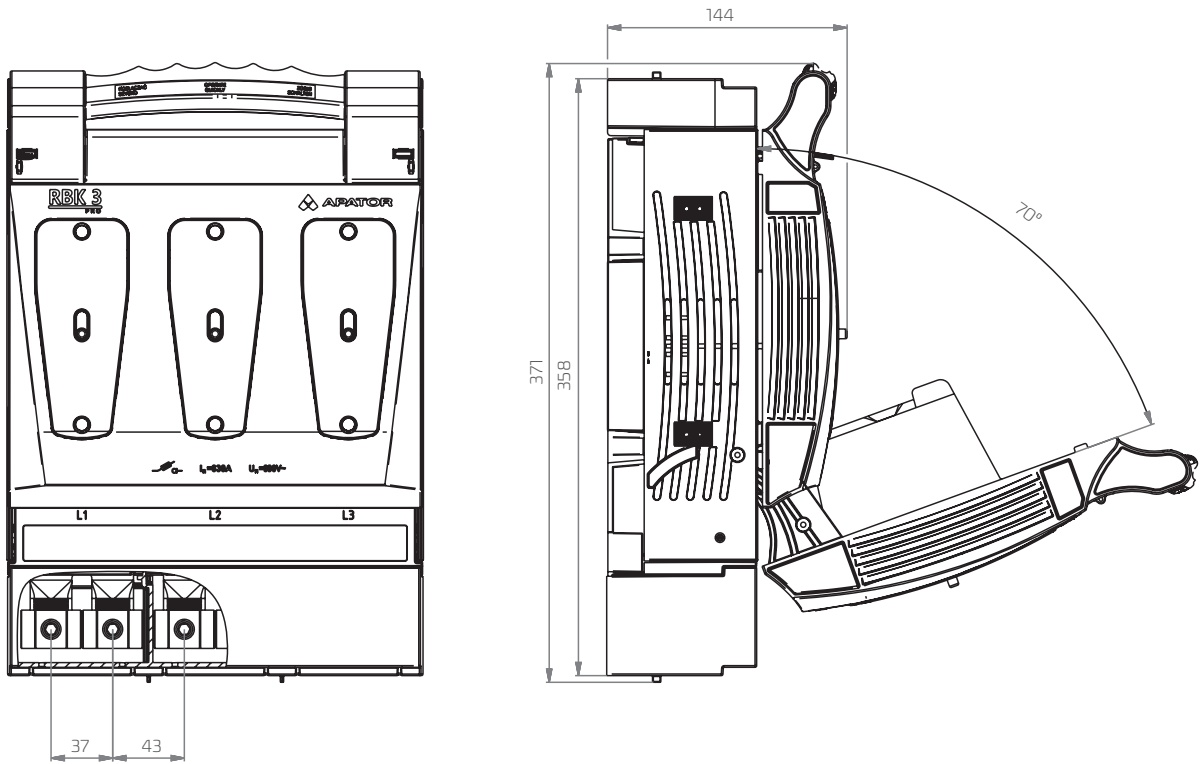
RBK 3 pro



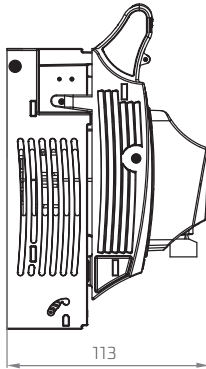
RBK 3 pro-5



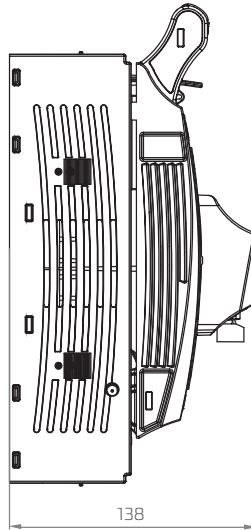
RBK 3 pro M-2xVD



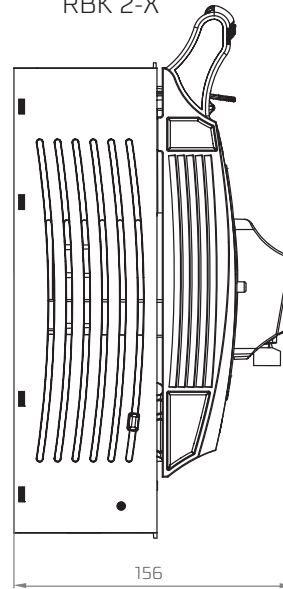
RBK 00-X



RBK 1-X



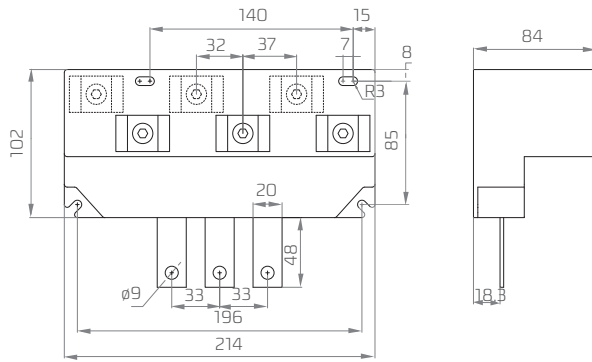
RBK 2-X



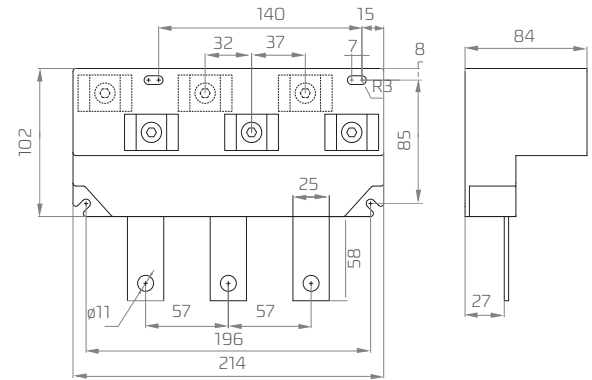


Terminal adapters:

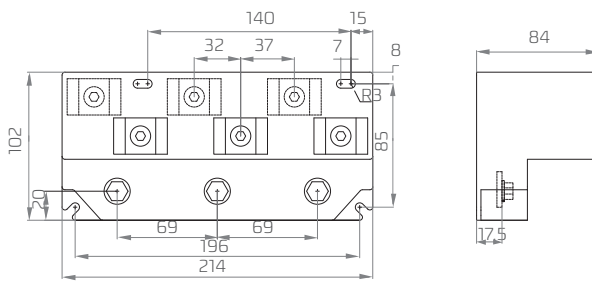
RBK 00



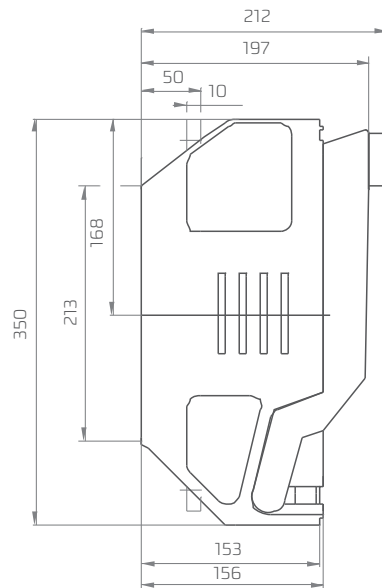
RBK 1



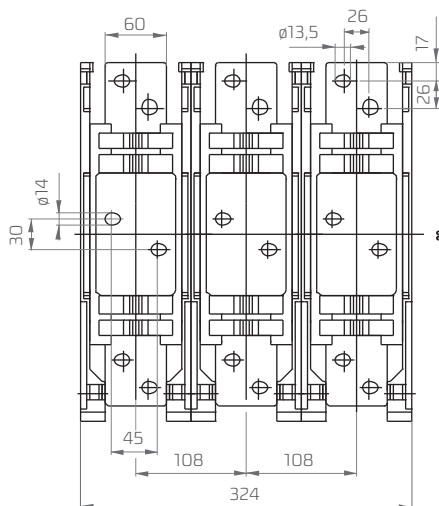
RBK 2



RBK 4a



RBK 4a 1600



RBK 4a 1250

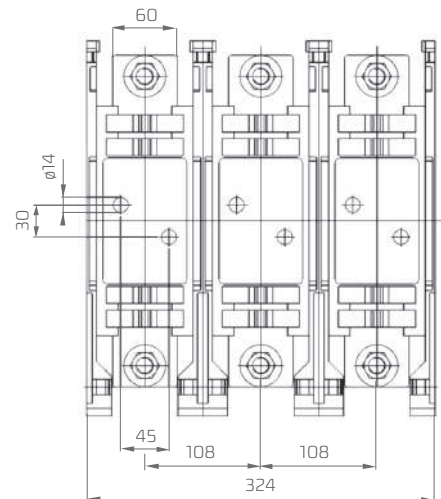


Table 102. RBP 000 pro - accessories

Description	Size	Article No.	Picture
Auxiliary contacts (microswitch) AC-15 $U_e$ 230 V~ $I_e$ 2,5 A DC-13 $U_e$ 230 V~ $I_e$ 0,3 A	000	1115296311T	
Microswitch shroud 1115296311T	000	51-946806-001	



RBK 000

Table 103. RBK 000 pro - accessories

Description	Size	Article No.	Picture
Feeding bridge 2 x RBK 000, 35 mm <sup>2</sup>	000	1119510055T	
Feeding bridge 3 x RBK 000, 35 mm <sup>2</sup>	000	1119510056T	
Feeding bridge 4 x RBK 000, 35 mm <sup>2</sup>	000	1119510057T	
Feeding bridge 5 x RBK 000, 35 mm <sup>2</sup>	000	1119510058T	
Feeding bridge 2 x RBK 000, 50 mm <sup>2</sup>	000	1119510059T	
Feeding bridge 3 x RBK 000, 50 mm <sup>2</sup>	000	1119510060T	
Feeding bridge 4 x RBK 000, 50 mm <sup>2</sup>	000	1119510061T	
Feeding bridge 5 x RBK 000, 50 mm <sup>2</sup>	000	1119510062T	
Feeding bridge RBK 000 25-95 mm <sup>2</sup> (1 set - 3 pcs.) for connection of conductor of cross-section 25-70 mm <sup>2</sup> 25-95 mm <sup>2</sup>	000	1119510071T	
Auxiliary contacts (microswitch) AC-15 $U_e$ 230 V~ $I_e$ 2,5 A DC-13 $U_e$ 230 V~ $I_e$ 0,3 A	000	1115296311T	
Microswitch shroud 1115296311T	000	51-000148-001	
Additional terminal shroud „0” extends shroud length of 25 mm	000	51-930160-011	

Table 104. RBK 00, RBK 00 pro - accessories

Description	Size	Article No.	Picture
Feeding bridge 2 x RBK 00, 35 mm <sup>2</sup>	00	1119510063T	
Feeding bridge 3 x RBK 00, 35 mm <sup>2</sup>	00	1119510064T	
Feeding bridge 4 x RBK 00, 35 mm <sup>2</sup>	00	1119510065T	
Feeding bridge 5 x RBK 00, 35 mm <sup>2</sup>	00	1119510066T	
Feeding bridge 2 x RBK 00, 50 mm <sup>2</sup>	00	1119510067T	
Feeding bridge 3 x RBK 00, 50 mm <sup>2</sup>	00	1119510068T	
Feeding bridge 4 x RBK 00, 50 mm <sup>2</sup>	00	1119510069T	
Feeding bridge 5 x RBK 00, 50 mm <sup>2</sup>	00	1119510070T	
Feeding bridge clamp RBK 00 25-95 mm <sup>2</sup> (1 set - 3 pcs.) for connection of conductor of cross-section	00	1119510072T	
25-70 mm <sup>2</sup>  25-95 mm <sup>2</sup> 			
Clamp for RBK 00 2x25 mm <sup>2</sup> 1x16 mm <sup>2</sup>	00	1119510073T	
Clamp for RBK 00 4x10 mm <sup>2</sup>	00	1119510074T	



RBK 00

Description	Size	Article No.	Picture
Auxiliary contacts (microswitch) AC-15 $U_e$ 230 V~ $I_e$ 2,5 A DC-13 $U_e$ 230 V~ $I_e$ 0,3 A	00	1115296311T	
Microswitch shroud 1115296311T	00	51-000148-001	
Additional terminal shroud extends shroud length of 25 mm	00	51-930499-011	
Terminal adapter + 3 x V-clamp + terminal shroud	RBK 00	1119510048T	
	RBK 00 W	1119510043T	

Table 105. RBK 1, RBK 1 pro, RBK 2 pro, RBK 3 pro - accessories



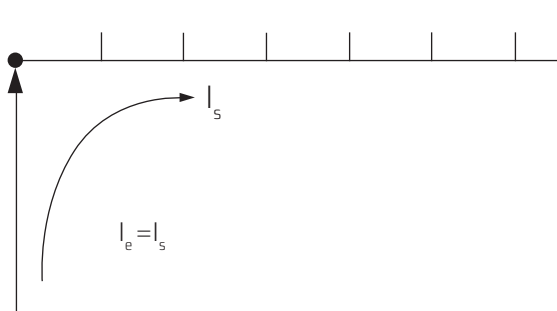
Description	Size	Article No.	Picture
Auxiliary contacts (microswitch) AC-15 $U_e$ 230 V~ $I_e$ = 2,5 A DC-13 $U_e$ 230 V~ $I_e$ = 0,3 A	RBK 1 RBK 1 pro RBK 2 RBK 3	1115296316	
Additional terminal shroud extends shroud length of 35 mm	RBK 1 pro-0	51-823278-011	
Additional terminal shroud „O” extends shroud length of 60 mm	RBK 2-0	51-822405-011	
Additional terminal shroud extends shroud length of 60 mm	RBK 3-0	51-823329-011	
Terminal adapter RBK 1 + 3 x V-clamp + terminal shroud	RBK 1	1119510038T	
Terminal adapter RBK 2 + 3 x V-clamp + terminal shroud	RBK 2	1119510047T	

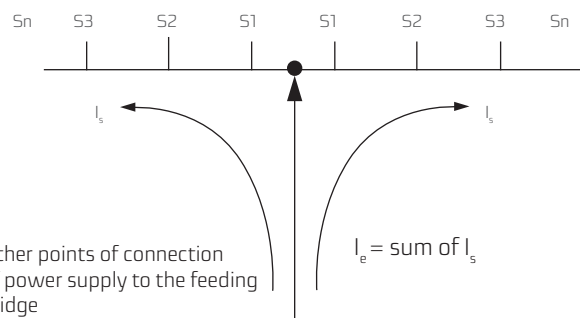
Table 106. RBK 000, RBK 00 feeding bridges technical data

<b>Materials</b>	Cu busbar Insulating parts, pressed PC/ABS RAL7035 Cover, injection molded PC/ABS RAL7035 Shroud, injection molded PC/ABS RAL7035
<b>Temperature range</b>	>80 °C UL94V0
<b>Glow wire flammability index</b>	pressed PC/ABS 960 °C / 3.2 mm 850 °C / 1 mm injection molded PC/ABS 960 °C / 1 mm
<b>Insulation properties</b>	Overvoltage category III/Pollution degree rating II
<b>CTI</b>	pressed PC/ABS 600 V injection molded PC/ABS 250 V
<b>Short-circuit strength</b>	25 kA/0.1 s
<b>Dielectric strength</b>	>32 kV / mm
<b>Rated impulse withstand voltage 35 mm<sup>2</sup>/ 50 mm<sup>2</sup></b>	>6.5 kV / >8.5 kV
<b>Minimal insulating distance in air 35 mm<sup>2</sup>/ 50 mm<sup>2</sup></b>	>6 mm / >8 mm
<b>Minimal creepage distance 35 mm<sup>2</sup>/ 50 mm<sup>2</sup></b>	>8.5 mm / >9 mm
<b>Rated switching voltage</b>	690 V

Feeding bridge length	max. 1000 mm	max. 300 mm	max. 1000 mm	max. 300 mm
Cross-section	35 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Power supply connection point at the end or at the beginning of feeding bridge				
Maximum I <sub>s</sub> current / phase	125 A	200 A	160 A	250 A
Feeding conductors cross-section	35 mm <sup>2</sup>	70 mm <sup>2</sup>	50 mm <sup>2</sup>	95 mm <sup>2</sup>
Other points of connection of power supply to the feeding bridge				
Maximum feeding current I <sub>e</sub>	160 A	250 A	160 A	250 A
Feeding conductors cross-section	70 mm <sup>2</sup>	95 mm <sup>2</sup>	70 mm <sup>2</sup>	95 mm <sup>2</sup>



Power supply connection point at the end or at the beginning of bridge

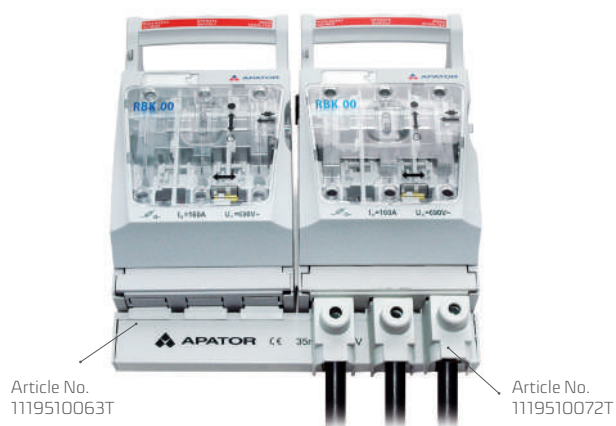
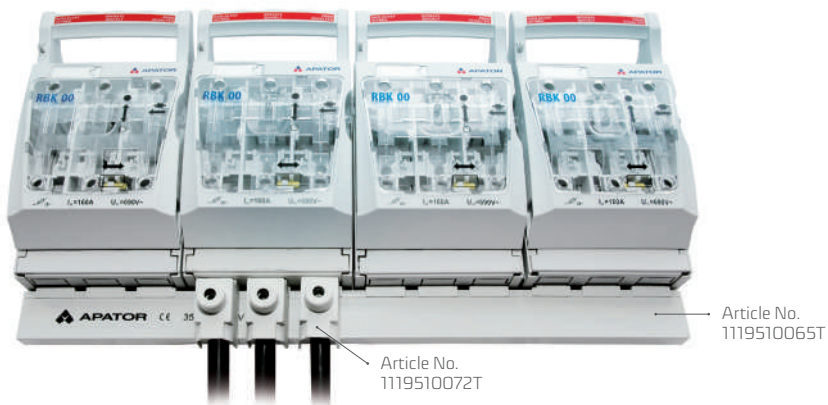


Other points of connection of power supply to the feeding bridge

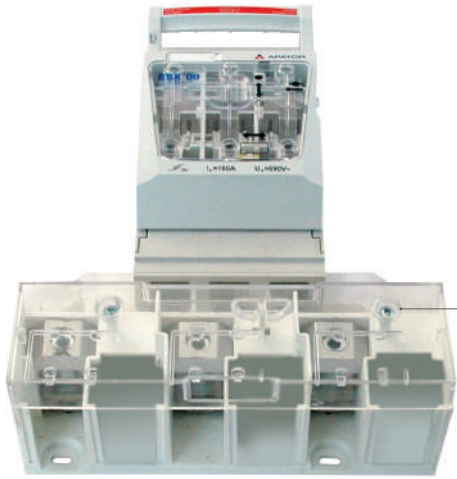
In case of connection of power supply in the middle of feeding bridge sum of output currents  $S_1, \dots, S_n$  cannot be greater than corresponding maximum current  $I_s$ .

## APPLICATION EXAMPLES

Fuse switch disconnectors **RBK 00** connected with feeding bridge, power supply cables connected to feeding bridge clamps



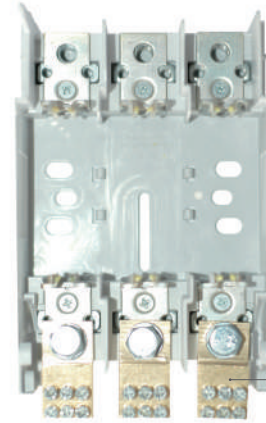




Article No.  
1119510048T

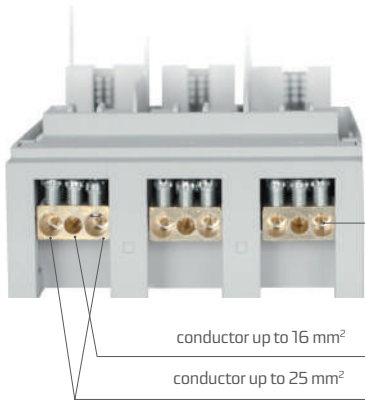
**RBK 00-W** with terminal adapter for connection of sector-shaped conductors with cross-section up to 240 mm<sup>2</sup>

35 - 95 mm <sup>2</sup> 	35 - 120 mm <sup>2</sup> 
50 - 185 mm <sup>2</sup> 	50 - 240 mm <sup>2</sup> 



Article No.  
1119510073T

**RBK 00-W** with terminal clamp 1x16 mm<sup>2</sup>, 2x25 mm<sup>2</sup> (view of fuse switch disconnecter without fuse-link cover and terminal shrouds)



Article No.  
1119510073T

conductor up to 16 mm<sup>2</sup>  
conductor up to 25 mm<sup>2</sup>

**RBK 00-W** with terminal clamp 1x16 mm<sup>2</sup>, 2x25 mm<sup>2</sup> (view of fuse switch disconnecter without fuse-link cover)



Article No.  
51-930499-011

Article No.  
51-930499-011

**RBK 00** for installation on mounting plate, version with additional terminal shrouds



Article No.  
51-930160-011

Article No.  
51-930160-011

**RBK 000** for installation on mounting plate, version with additional terminal shrouds



Article No.  
51-823278-011

Article No.  
51-823278-011

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

## Terminal adapter for RBK 00 i RBK 1



## Covering of RBK fuse switch disconnectors (rear installation)

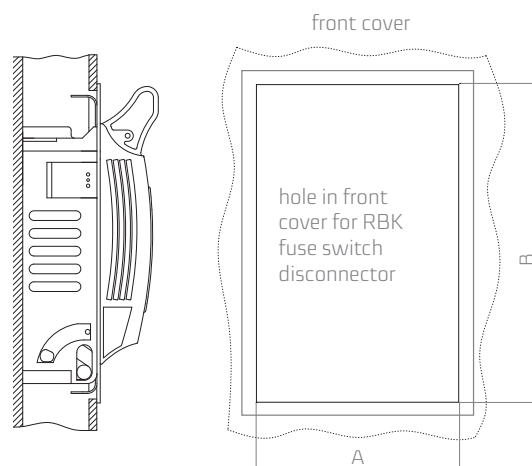
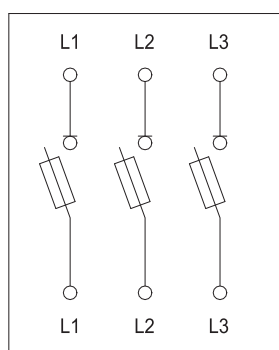


Table 107. Front cover dimensions

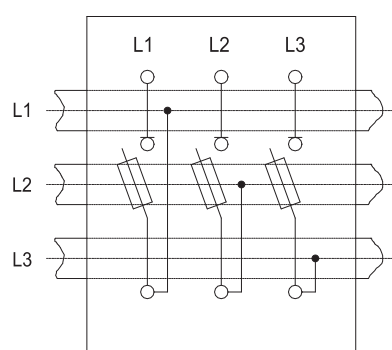
Type	A	B
RBK 000	91	156
RBK 000-S, RBK 000-W	91	195
RBK 00, RBK 00 pro, RBK 00 pro-S	108	154
RBK 00-W	108	184
RBK 1, RBK 1-S, RBK 1 pro	184	232
RBK 2, RBK 2-S	210	255
RBK 2-V, RBK 2-2V	210	255
RBK 3, RBK 3-S	258	316

ADDITIONAL ACCESSORIES

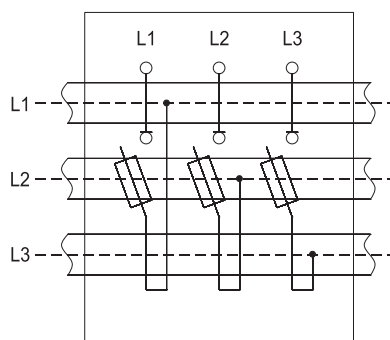
## Electrical diagrams (RBK 1-S, RBK 3-S - possible bottom cable terminal connection)



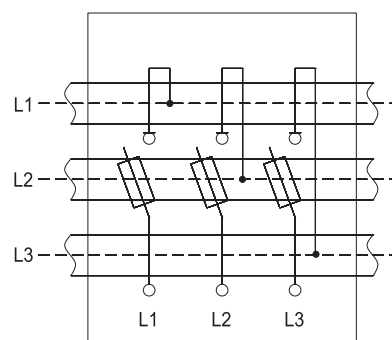
RBK 000  
RBK 00  
RBK 00 pro  
RBK 1  
RBK 2  
RBK 3  
RBK 1 pro  
RBK 2 pro  
RBK 3 pro



RBK 3 pro-S



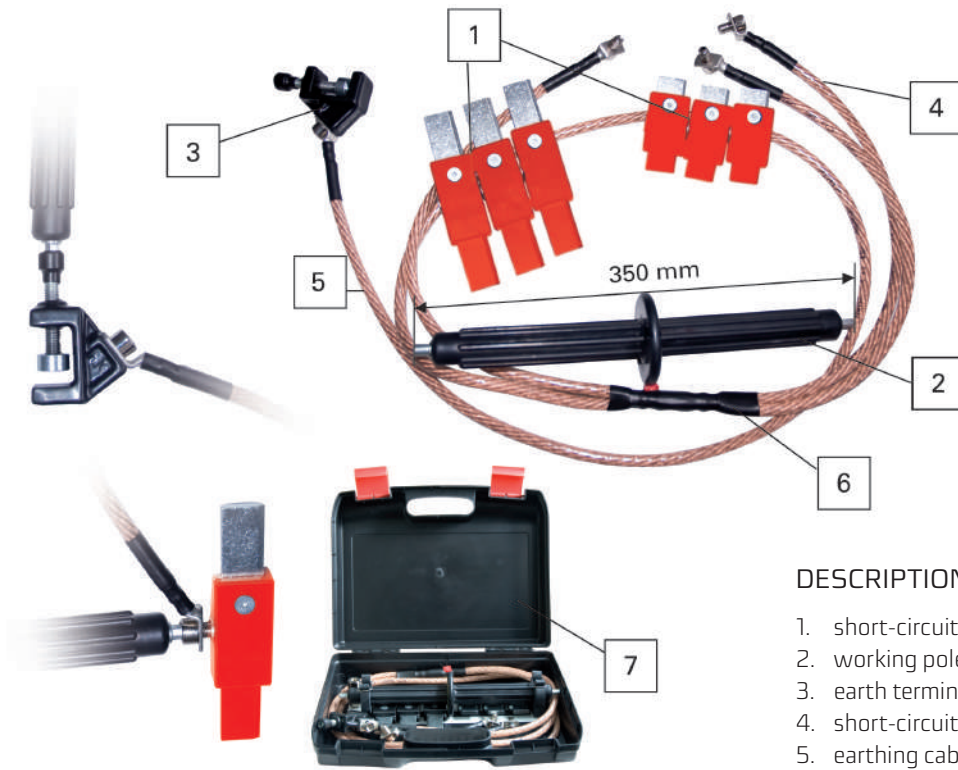
RBK 000-SG  
RBK 00 pro-SG  
RBK 1 pro-SG  
RBK 2 pro-SG



RBK 000-SD  
RBK 00 pro-SD  
RBK 1 pro-SD  
RBK 2 pro-SD  
RBK 3 pro-S

# Universal earthing device for RBK 000, 00, 1, 2, 3

Article No 1119510032T



## DESCRIPTION

1. short-circuiting links
2. working pole
3. earth terminal
4. short-circuiting cable
5. earthing cable
6. cable connection point
7. case

## Example of the order of RBK 2-SD-V-100

Fuse switch disconnecter	160 A	RBK 000, RBK 00, RBK 00 pro	
	250 A	RBK 1, RBK 1 pro	
	<b>400 A</b>	<b>RBK 2 pro</b>	<b>RBK 2 pro</b>
	630 A	RBK 3 pro	
Terminal clamps	<b>S</b>		<b>S</b>
	<b>D</b>	<b>bottom</b>	<b>D</b>
	G	top	
For installation on to busbar system	<b>V</b>	<b>V-clamp</b>	<b>V</b>
	2V	double V-clamp	
	M	screw terminal	
Cable terminal	S	S-bridge clamps	
Busbar system	60 mm	60	
	<b>100 mm</b>	<b>100</b>	<b>100</b>