FUSE SWITCH DISCONNECTOR ARS 00/100 mm (160 A, 690 V)

For installation on to 100 mm busbar system
Fuse switch disconnector's width 50 mm
Three pole switching - all phases simultaneously

ARS 00/100 mm

Table 47. Technical data

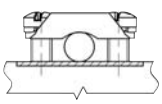
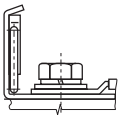
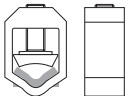
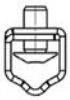
Parameter		ARS 00/100 mm
Rated thermal current $I_{th}=I_n$	A	160
Rated voltage U_n	V	690
Utilization category	-	AC-22B
Rated switching voltage U_e	V	690
Rated switching current I_e	A	160
Rated short circuit making current	kA	25
Rated short circuit withstand current	kA	100
Rated insulation voltage U_i	V	1000
Rated impulse withstand voltage $U_{imp.}$	kV	8
Rated frequency	Hz	50-60
Mechanical durability		1600
Electrical durability		200
IP degree of protection	-	30
Fuse links size	-	00

Accessories on page 52, 53

Table 48. Versions

Version		Weight	Article No.
for installation on to 100 mm busbar system ,three pole switching - all phases simultaneously			
ARS 00/100 mm	cable terminals: bridge terminals with bridge clamps (S) 4-70 mm², screw terminals with M8 screws	1,3 kg	63-811628-011
ARS 00/100 mm-V	cable terminals: V-terminals with V-clamps 25-150SW	1,5 kg	63-811628-021

Table 49. ARS 00/100 mm terminal clamps

Description	ARS 00/100 mm			
Clamp	S-bridge clamp 2 x M5 x 25	M8 screw*	V-clamp 25-150 SW	HM 10-120
Picture of clamp				 ***
Drawing of clamp				
Cross –section of conductors	4-70 mm²	Conductor with lug terminal max. 185 mm²	re ● 16 mm²-95 mm² se ◆ 25 mm²-150 mm² rm ⊗ 16 mm²-95 mm² sm ⊗ 25 mm²-150 mm²	re ● 10 mm²-70 mm² se ◆ 25 mm²-120 mm² rm ⊗ 10 mm²-70 mm² sm ⊗ 25 mm²-95 mm²
Tightening torque	3 Nm**	12 Nm**	20 Nm**	15 Nm**

For stranded conductors using cable ferrules is recommended
*) bars of maximum width of 20 mm and maximum thickness of 5 mm can be fixed to M type screw terminals
**) using tension wrench is recommended
***) fuse switch disconnectors with V-terminals are equipped with steel V-clamp HM 10-120 on request
Apator takes responsibility for technical quality of V-terminals manufactured only by the company. Minimum tightening torque (M8 screw) for screws fixing fuse switch disconnector to busbar system – 12 Nm, recommended tightening torque for screws and nuts with property class 8.8 – 21 Nm.

FUSE SWITCH DISCONNECTOR ARS 00 (160 A, 690 V)

For installation on to 185 mm busbar system
Three pole switching - all phases simultaneously - two-hand operation or one pole switching - each phase independently
Fuse switch disconnector's width 50 mm

Table 50. Technical data

Parameter		ARS 00
Rated thermal current $I_{th}=I_n$	A	160
Rated voltage U_n	V	690
Utilization category	-	AC-22B
Rated switching voltage U_e	V	690
Rated switching current I_e	A	160
Rated short circuit making current	kA	25
Rated short circuit withstand current	kA	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	1600
Electrical durability		200
IP degree of protection	-	30
Fuse links size	-	00

Accessories on page. 52, 53

ARS 00-1

ARS 00-3

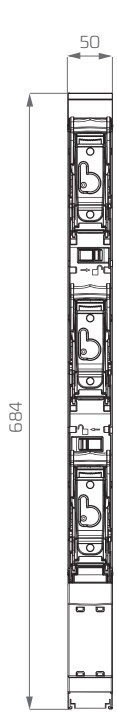
Table 51. Versions

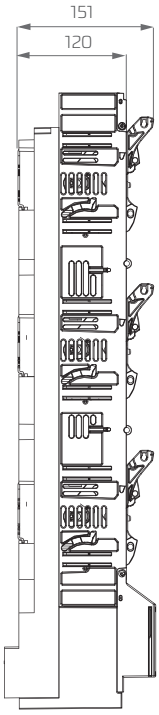
Version		Weight	Article No.
for installation on to 185 mm busbar system, one pole switching - each phase independently			
ARS 00-1	cable terminals: bridge terminals with bridge clamps (S) 4-70 mm², screw terminals with M8 screws	2,6 kg	63-811410-011
ARS 00-1-V	cable terminals: V-terminals with V-clamps 25-150SW	2,7 kg	63-811410-021
for installation on to 185 mm busbar system, three pole switching - all phases simultaneously			
ARS 00-3	cable terminals: bridge terminals with bridge clamps (S) 4-70 mm², screw terminals with M8 screws	2,7 kg	63-811806-011
ARS 00-3-V	cable terminals: V-terminals with V-clamps 25-150SW	2,8 kg	63-811806-021

ARS 00, smartARS 00 pro

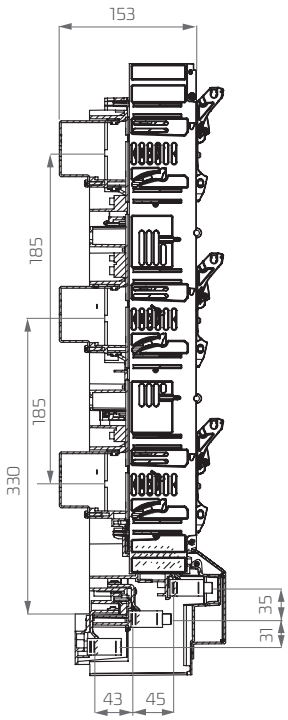
1-phase

CLOSED

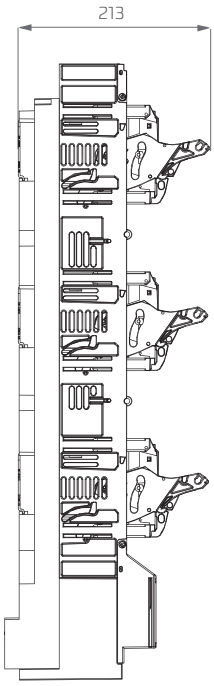




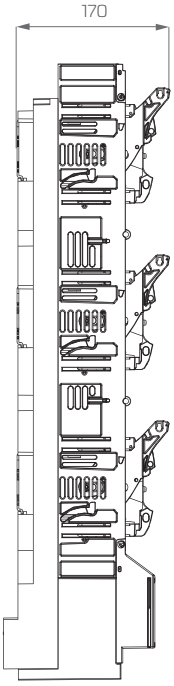
HEIGHTENED



OPENED

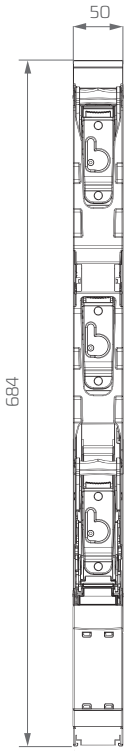


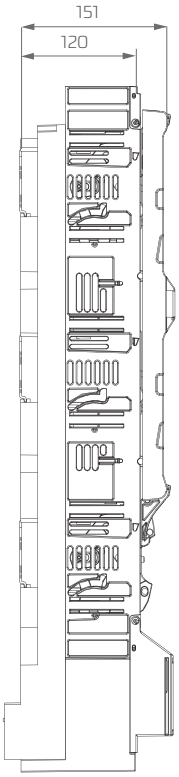
PARKED



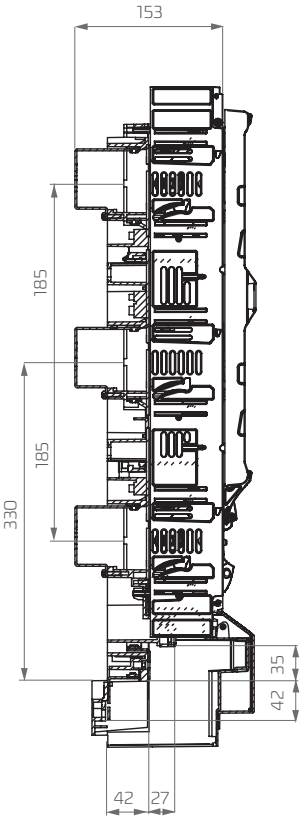
3-phase

CLOSED

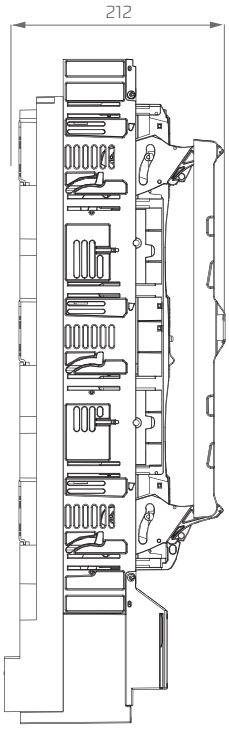




HEIGHTENED



OPENED



PARKED