

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

For installation on to 100 mm busbar system
 Fuse switch disconnectors 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 mm ² 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 mm ²	Conductor with lug terminal max. 185 mm ²	re ● 16 mm ² -95 mm ² se ◆ 25 mm ² -150 mm ² rm ⊗ 16 mm ² -95 mm ² sm ⊕ 25 mm ² -150 mm ²	re ● 10 mm ² -70 mm ² se ◆ 25 mm ² -120 mm ² rm ⊗ 10 mm ² -70 mm ² sm ⊕ 25 mm ² -95 mm ²
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

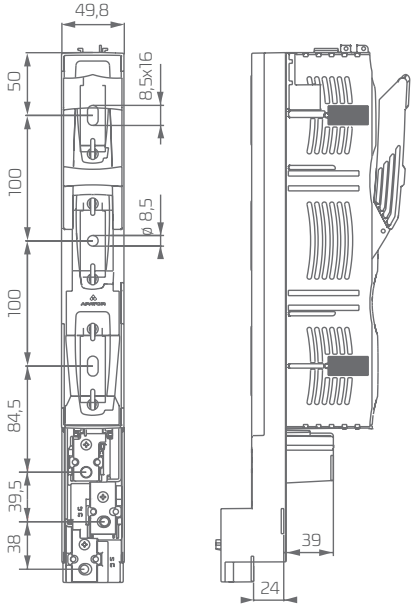
**) using tension wrench is recommended

***) fuse switch disconnectors with V-terminals are equipped with steel V-clamp HM 10-120 on request

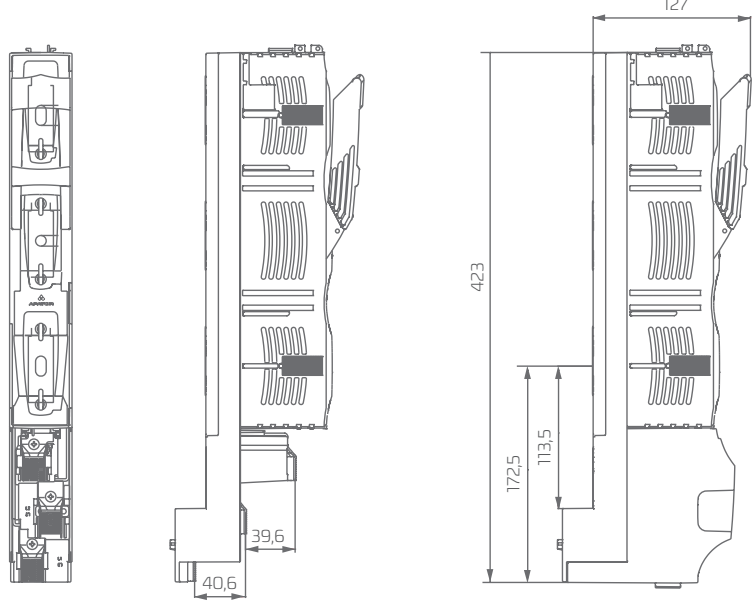
Apator takes responsibility for technical quality of V-terminals manufactured only by the company. Minimum tightening torque (M8 screw) for screws fixing fuse switch disconnectors to busbar system – 12 Nm, recommended tightening torque for screws and nuts with property class 8.8 – 21 Nm.

ARS 00/100 mm, ARS 00/100 mm pro

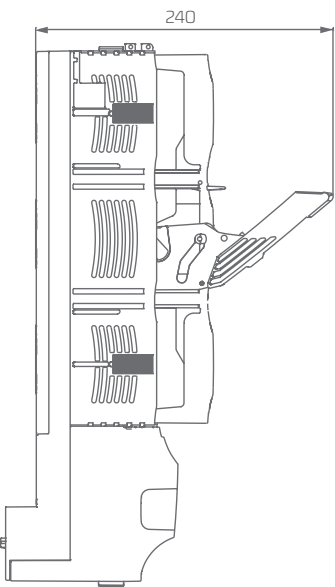
ARS OVERALL DIMENSIONS



CLOSED



OPENED



PARKED

