

# FUSE SWITCH DISCONNECTOR ARS 630 (630 A, 690 V)

Designed for operation with NH3 fuse links



ARS 630-1-M

ARS 630-6-M

Table 58. Technical data

Parameter	ARS 630		
Rated thermal current $I_{th}=I_n$	A	630	
Rated voltage $U_n$	V	690	
Utilization category	-	AC-22B	
Rated switching voltage $U_e$	V	690	
Rated switching current $I_e$	A	630	
Rated short circuit making current	690 V	kA	100
	500 V		120
Rated short circuit withstand current	690 V	kA	100
	500 V		120
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	-	30	
Fuse links size	-	3	

Accessories on page 54, 55

Table 56. Versions

Versions	Weight	Article No.
<b>for installation on 185 mm busbar system, one pole switching - each phase independently</b>		
ARS 630-1-V cable terminals: V-terminals: V-clamps 240 mm <sup>2</sup>	5,8 kg	63-039002-011
ARS 630-1-M cable terminals: screw terminals: pressed nuts M12	5,5 kg	63-039002-021
ARS 630-1-2V cable terminals: 2V-terminals: double V-clamps 240 mm <sup>2</sup>	6,4 kg	63-039002-031
<b>for installation on 185 mm busbar system, THREE POLE SWITCHING - all phases simultaneously</b>		
ARS 630-6-V cable terminals: V-terminals: V-clamps 240 mm <sup>2</sup>	5,8 kg	63-039062-011
ARS 630-6-M cable terminals: screw terminals: pressed nuts M12	5,5 kg	63-039062-021
ARS 630-6-2V cable terminals: 2V-terminals: double V-clamps 240 mm <sup>2</sup>	6,4 kg	63-039062-031

Table 57. ARS 630 terminal clamps

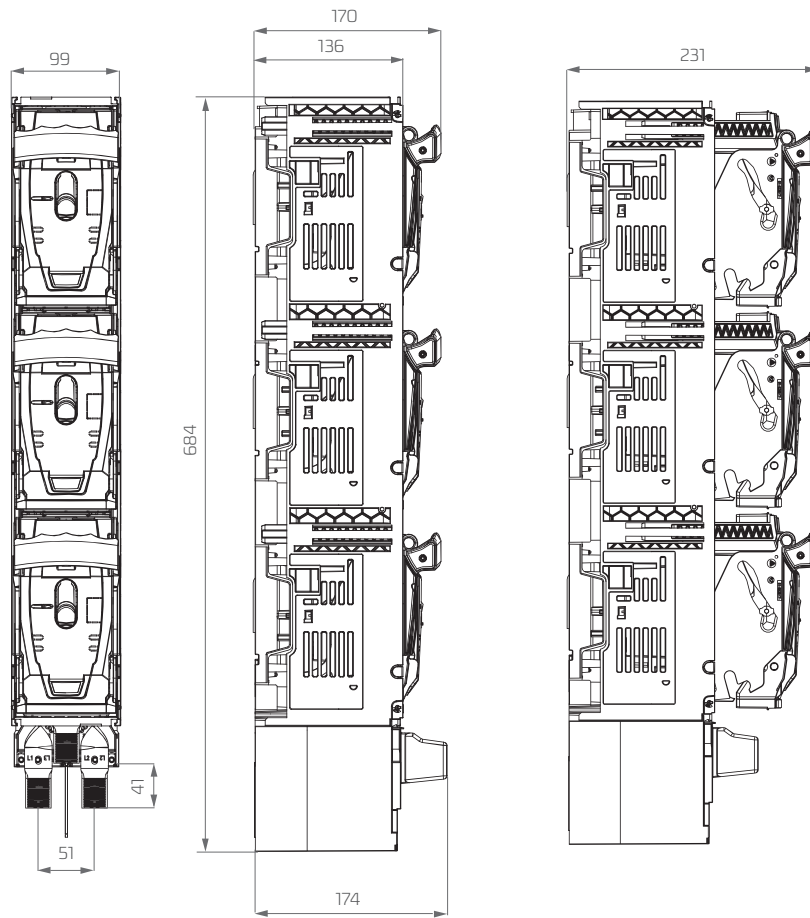
Description	ARS 630-x-V	ARS 630-x-2V	ARS 630-x-2V	ARS 630-x-M
Clamp	V-clamp 35-300SW-B	V-clamp 2/50-300SW-B	V-clamp HS 2/50-240-C*	M-screw M12**
Drawing of clamp				
Cross-section of conductors	V-clamp for direct fixing of conductor with bare end with cross-section of:			Lug terminal
	35 - 185 mm <sup>2</sup>	35 - 240 mm <sup>2</sup>	50 - 185 mm <sup>2</sup>	50 - 240 mm <sup>2</sup>
	35 - 240 mm <sup>2</sup>	35 - 300 mm <sup>2</sup>	50 - 240 mm <sup>2</sup>	50 - 300 mm <sup>2</sup>
Tightening torque	30 Nm		40 Nm	56 Nm

For stranded conductors using cable ferrules is recommended

\*) if the fuse switch disconnecter with a 2V-type clamp is to be equipped with a steel V-clamp HS 2/50-240-C, it should be included in the order

\*\*\*) bars of maximum width of 40 mm and maximum thickness of 8 mm can be fixed to M type screw terminals when protective barrier between phases is installed Apator takes responsibility for technical quality of V-terminals manufactured only by the company. Minimum tightening torque (M12 screw) for screws fixing fuse switch disconnecter to busbar system – 32 Nm, recommended tightening torque for screws and nuts with property class 8.8 – 56 Nm.

ARS 400 pro, ARS 630 pro, ARS 400, ARS 630  
1-phase



3-phase

