

FUSE SWITCH DISCONNECTOR smartARS 00 pro (160 A, 690 V)

For installation on to 185 mm busbar system

Fuse switch disconnectors width 50 mm

Switching: three poles simultaneously - operation with two hands or single pole switching

Table 2. Technical data

Parameter		smartARS 00 pro	
Rated thermal current $I_{th}=I_n$	A	160	
Rated thermal current $I_{th}=I_n$ with solid links	A	210	
Rated voltage U_n	V	690	
Utilization category	-	AC-22B	AC-23B
		690	400
Rated switching voltage U_e	V	690	
Rated switching current I_e	A	160	
Rated short circuit making current	690 V	kA	80
	500 V		100
Rated short circuit withstand current	690 V	kA	80
	500 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	1600	
Electrical durability		200	
IP degree of protection	-	30	
Fuse links size	-	00	

Accessories on page 52, 53



smartARS 00-1 pro






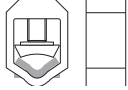

smartARS 00-3 pro

Table 3. Versions

Version	Weight	Article No.
for installation on 185 mm busbar system, ONE POLE SWITCHING - each phase independently		
smartARS 00-1-V pro cable terminals: V-terminals: V-clamps 25-150SW	2,5 kg	63-001414-001
smartARS 00-1 pro cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,4 kg	63-001414-002
for installation on 185 mm busbar system, THREE POLE SWITCHING - all phases simultaneously		
smartARS 00-3-V pro cable terminals: V-terminals: V-clamps 25-150SW	2,6 kg	63-001415-001
smartARS 00-3 pro cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,5 kg	63-001415-002
smartARS 00 pro version with adjusted to front line and terminal cover of ARS 2,3 without using adapters		
for installation on 185 mm busbar system, ONE POLE SWITCHING - each phase independently		
smartARS 00-1-V pro cable terminals: V-terminals: V-clamps 25-150SW	2,6 kg	63-002070-001
smartARS 00-1 pro cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,5 kg	63-002070-002
for installation on 185 mm busbar system, THREE POLE SWITCHING - all phases simultaneously		
smartARS 00-3-V pro cable terminals: V-terminals: V-clamps 25-150SW	2,7 kg	63-002071-001
smartARS 00-3 pro cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,6 kg	63-002071-002
smartARS 00 pro version with fast installation modules using PPN technology		
for installation on 185 mm busbar system, ONE POLE SWITCHING - each phase independently		
smartARS 00-1-V SM pro cable terminals: V-terminals: V-clamps 25-150SW	2,7 kg	63-001899-001
smartARS 00-1 SM pro cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,6 kg	63-001899-002

Version		Weight	Article No.
for installation on 185 mm busbar system, THREE POLE SWITCHING - all phases simultaneously			
smartARS 00-3-V SM pro	cable terminals: V-terminals: V-clamps 25-150SW	2,9 kg	63-001904-001
smartARS 00-3 SM pro	cable terminals: bridge terminals (S) 4-70mm ² , M8 screw terminals	2,8 kg	63-001904-002

Table 4. smartARS 00 pro terminal clamps

Description	smartARS 00 pro			
	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	Lug terminal max 185 mm ²	re ● 16 mm ² - 95 mm ²	re ● 10 mm ² - 70 mm ²
			se ◆ 25 mm ² - 150 mm ²	se ◆ 25 mm ² - 120 mm ²
			rm ⊞ 16 mm ² - 95 mm ²	rm ⊞ 10 mm ² - 70 mm ²
			sm ⊞ 25 mm ² - 150 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

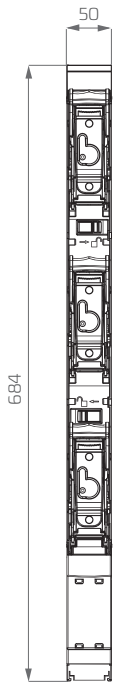
***) fuse switch disconnectors with V-terminals are equipped with steel V-clamp HM 10-120 on request

Aparator 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.

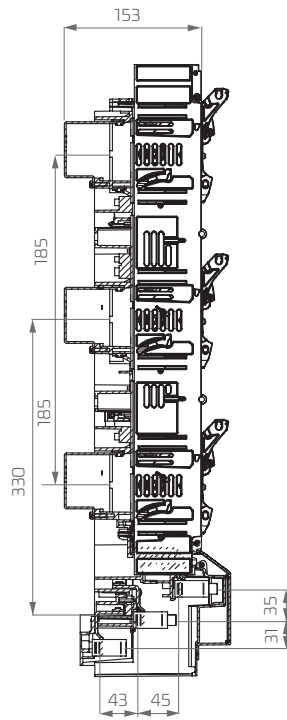
ARS 00, smartARS 00 pro

1-phase

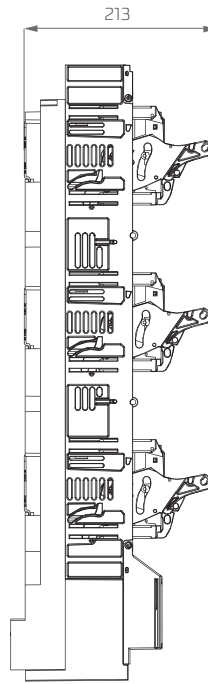
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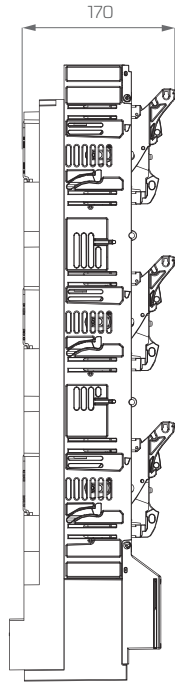
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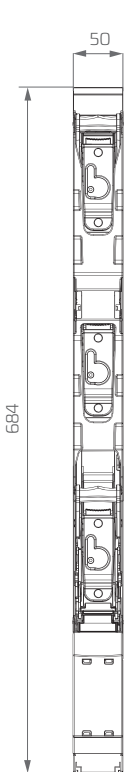


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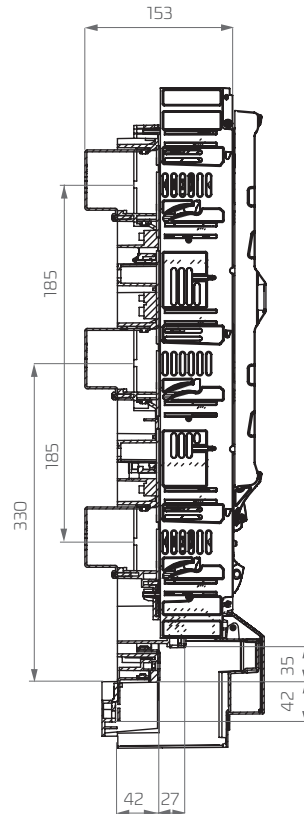


3-phase

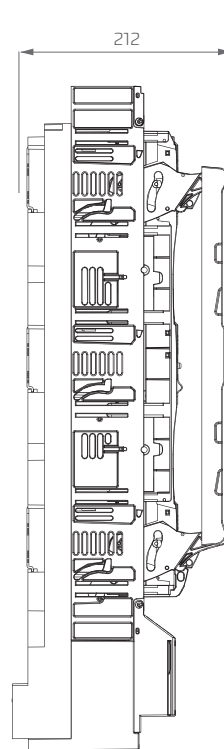
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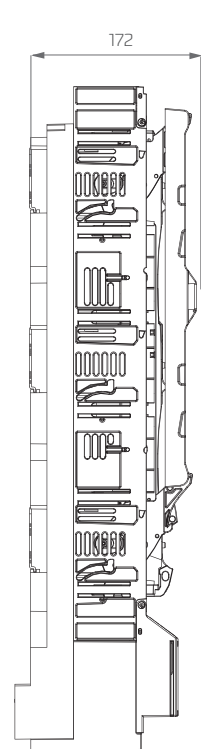
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ARS OVERALL DIMENSIONS