

Modular designation

The Prisma P switchgear has 35 Nos. modular, each modular:  
 Absolute independence.  
 Installed in prefabricate installation board.  
 Protected by the front board.  
 The vertical height is 50 mm modular is a unit which contains: up & down wiring and auxiliary wiring.

Intelligentized designation

Complete power grid  
 Allocated power grid  
 With communication function:  
 Ambient condition  
 Altitude ≤ 2000m, indoor installtion;  
 Ambient temperature:-0.5°C to + 40°C, Average temperature ≤ 35°C;  
 Ambient humidity: when the temperature is 40°C, it can be 50%, when the temerature is lower than 40°C, it can bear higher relative humidity;  
 Pollution degree is grade 3.  
 The installtion ground evenness should be less than 2mm/m.

Technical specification

		Prisma P
Relative standard		
Type test parts	IEC 60439-1, EN 60439-1, NF EN 60439-1, DIN 41-488, BS 5486, GB 7251-1	
Inner arcing withstand	NO.68042	
Protection degree	IEC 60529	
Impact resistance	EN 50102	
Electric characteristic		
Rated insulation voltage(V)	1000	
Rated operation voltage(V)	690	
Rated impluse withstand voltage	12	
Over voltage type	IV	
Pollution degree	3	
Frequency	50/60	
Main busbar	Rated current	630~4000
	Rated short time withstand current	85
	Rated peak withstand current	187
Branch busbar	Rated current	630~4000
	Rated short time withstand current	85
	Rated peak withstand current	187
Mechanism charactristic		
Height	2025	
Modular	35	
Width	700/900/1100/1200	
Depth	400/600/800/1000	
Division type protection degree IP	20/30/31/54	
Outward impact resistance IK	08	

Blokset

Summary

BLOKSET Switchgear adopts Schneider company's technology, it can put up all the good performances of Schneider electric components. The switchgear has two types: Fixed grid type and drawable types. The horizontal main bus bar stays in the top of switchgear while the vertical bus bar stays in the side or rear parts of the switchgear, so the end users cable can connect from the side or rear. All the performance unit adopts modular constrution.



Outline dimension of the switchgear

Incoming cubicle: 1200x2200x1000 mm (WxHxD)  
 Feeder cubicle: 900x2200x1000 mm (WxHxD)  
 Controlling cubicle: 900x2200x1000 mm (WxHxD)

Operation, Installation, Connection, Earthing Protection and Antiseptic.

Operation type: Motor operating or rotating manual  
 Installation type: Indoor horizontal fixed installation  
 Connection type: Bus bar or Cable connection  
 Earthing Protection type: Earthing busbar  
 Antiseptic: Printed by epoxy resine.

Main electric data

Rated current: 4000A, 3150A  
 Short-time withstand current of the horizontal bus bar: 100KA/220KA  
 Short-time withstand current of the vertical bus bar: 85KA/187KA  
 The height of the drawer: 9M, 12M  
 According to the short circuit withstand intention certification, the current and bus bar's specification of the switchgear is as following:

Current	4000A	3150A	1600A
Spec of bus bar	5x(100x5)	4x(100x4)	1x(1x1000)
Bus bar clamp	Insulating supporter (POLYCARBONATE LEXAN R500) + Aluminum alloy(ENAW-5754 H111)	Insulating supporter (POLYCARBONATE LEXAN R500) + Aluminum alloy(ENAW-5754 H111)	Insulating supporter (POLYCARBONATE LEXAN R500) + Aluminum alloy(ENAW-5754 H111)
Switchgear dimension	900mm	900mm	900mm

Ambient condition

- a. Ambient temperature:-0.5°C to + 40°C, Average temperature ≤ 35°C;
- b. Altitude ≤ 2000m, indoor installtion;
- c. Ambient humidity: when the temperature is 40°C, it can be 50%, when the temperature is lower than 40°C, it can bear higher relative humidity;
- d. The gradient between the vertical board should be less than 5%, and the integrate switchgear group is in level.
- e. Applicable occasions should be free from inflammables, explosives, corrosives and severe vibration.

Technical specification

Protection degree	IP 30 IP54	
Rated insulation voltage	AC660(1000)	
Rated running voltage	Main circuit	AC380(660)
	Auxiliary circuit	AC380,220,24
Rated frequency (Hz)	50(60)	
	DC220,110	
Rated current of horizontal bus bar (A)	≤6300	
Rated current of vertical bus bar(A)	Mw≤1000A D≤3200A	
Rated current of cabinet unit (A)	≤400	
Rated peak withstand current (KA)	63/105/187/220	
Rated short time withstand current(KA)	30/50/85/100	
P.F. withstand voltage (V)	Main circuit	2500(3500)
	Auxiliary circuit	2500
Protection circuit resistance(Ω)	≤0.01	

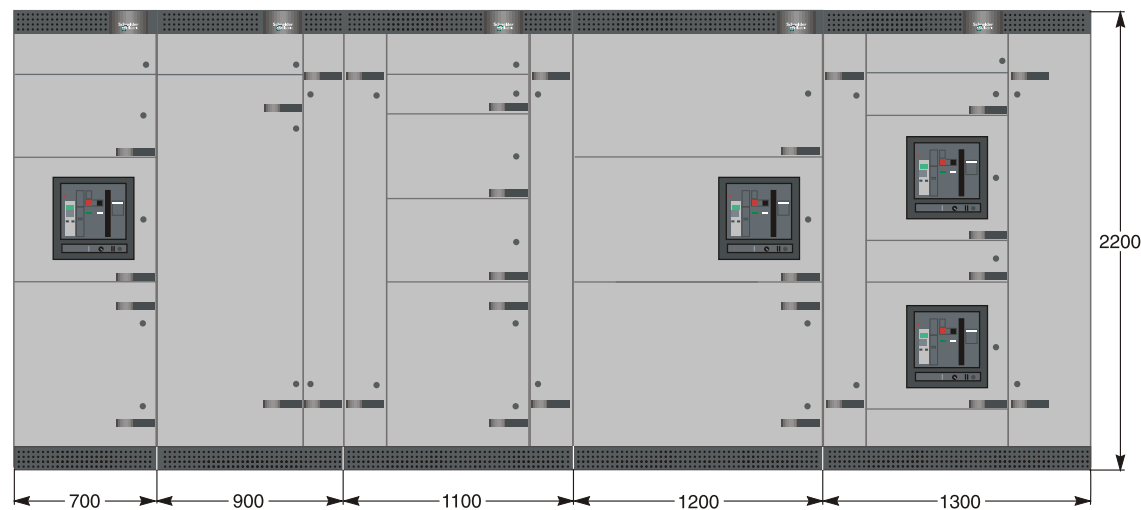
Arrangement of the switchgear

Modular design of BLOKSET allows the layout of switchgears and electrical rooms to match in good configuration.

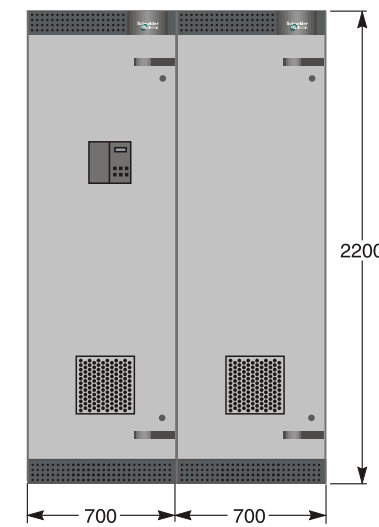
- a. The switchgears can be parallel connection or back to back connection:  
According to the available space of the installation room, the back to back connection can reduce the total length in half.
- b. It is allowed to enter into the switchgear's connection area from front or back side:  
If the wiring terminals are in the side grid of the switchgear, it can enter into from the front, so the switchgear can be placed close to the wall.
- c. If the wiring terminals are in the back side of the switchgear, it can be entered from back.
- d. The incoming or outgoing cable can enter from top or bottom of the switchgear:  
If the switchgears are installed in above of auxiliary board or cable channel, the cable is better enter from the bottom.
- e. If the switchgears are installed in above of auxiliary board or cable channel, the cable is better enter from the bottom.
- f. The power supply also can be from the top and enter into bus bar duct.

Outline drawing

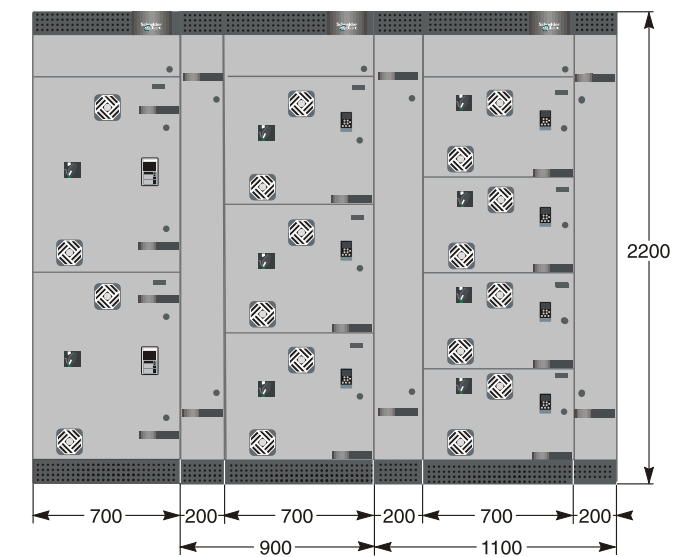
Blokset D



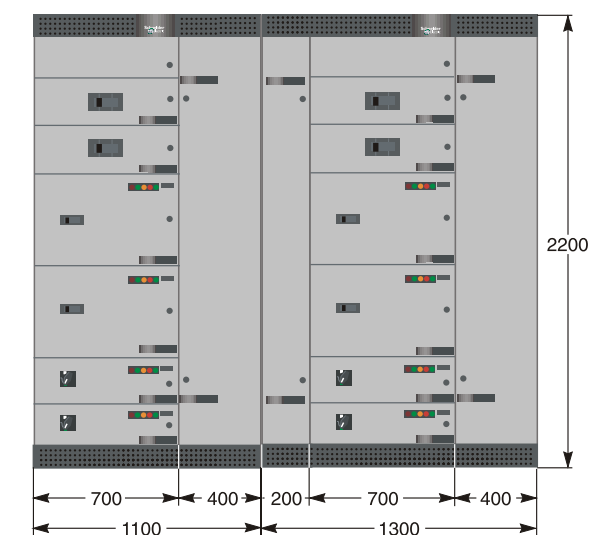
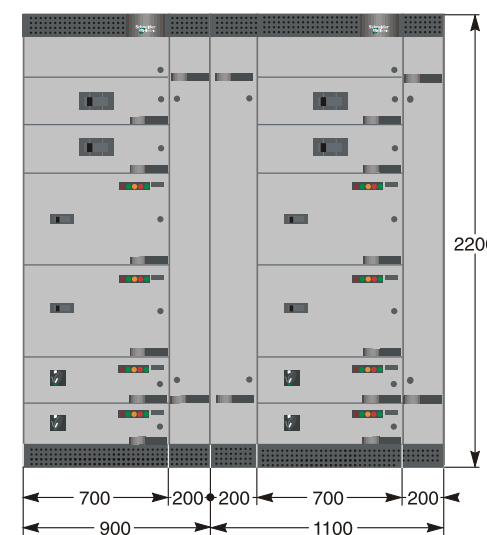
Blokset Dc



Blokset Ms



Blokset Mf



Blokset Mw

