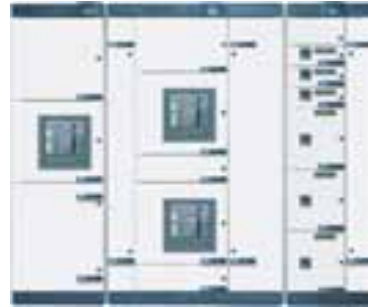


## Blokset

### 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 construction.



### 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 resin.

### 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

- Ambient temperature: -0.5°C to + 40°C, Average temperature ≤ 35°C;
- Altitude ≤ 2000m, indoor installation;
- 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;
- The gradient between the vertical board should be less than 5%, and the integrate switchgear group is in level.
- 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 DC220,110
Rated frequency (Hz)		50(60)
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:

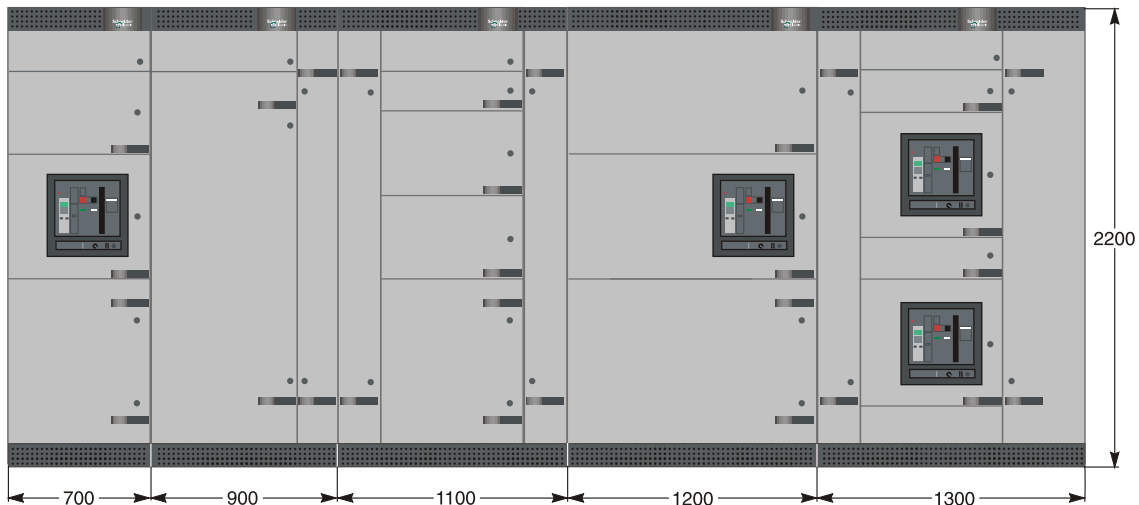
If the switchgears are installed in above of auxiliary board or cable channel, the cable is better enter from the bottom.

e. If the switchgears are installed in above of auxiliary board or cable channel, the cable is better enter from the bottom.

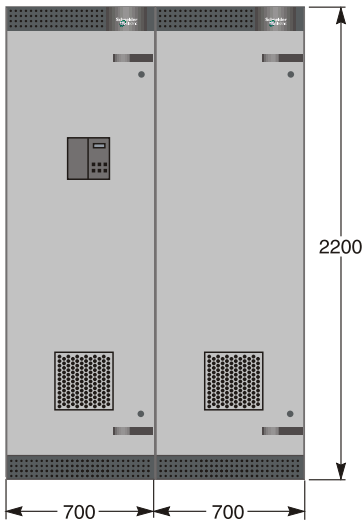
f. The power supply also can be from the top and enter into bus bar duct.

## Outline drawing

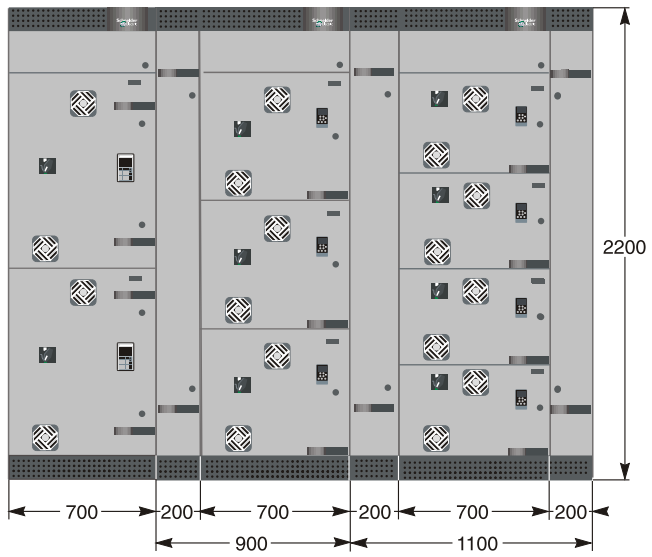
Blokset D



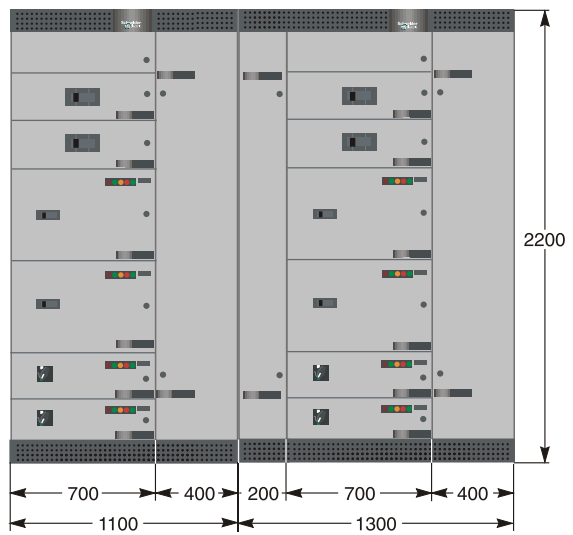
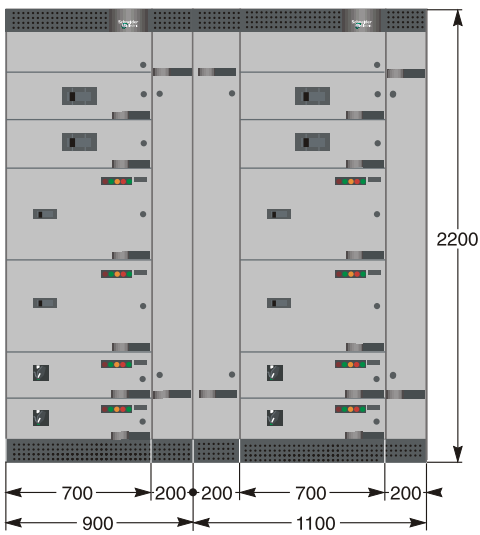
Blokset Dc



Blokset Ms



Blokset Mf



Blokset Mw

