

## Mvnex-12 Removable AC Metal-clad Switchgear

## Summary

Mvnex-12 removable AC metal-clad switchgear(short for switchgear as below) is developed by Scheneider technology, it can instead KYN28-12, KYN18-12, JYN2-12 series products. The switchgear applies to 3.6~12KV, 3 phase AC 50Hz network for receiving and distributing power energy and also for control, monitor and protection. It can be accords to IEC62271-200, GB3906 and so on requirement. It has reliable prevention function against false operation.

## Ambient condition

- 1. Ambient temperature: -5°C~40°C; daily average: 35°C;
- 2. Altitude: ≤1000m
- 3. Relative humidity: daliy average: ≤95% monthly average: ≤90%;



### Electric features

No.	Item	Unit	Data	
1	Rated voltage	kVrms	12	
2	Rated insulation			
3	1 P.F. withstand voltage(50Hz)	kVrms	42	
4	Lightning impulse withstand voltage(1./50s)	kV peak	75	
5	Rated current			
6	Busbar	A rms	630, 1250, 2500, 3150	
7	Circuit breaker	A rms	630, 1250, 2500, 3150	
8	Rated thermal stability withstand current(4s)	kA rms	25, 31.5, 40	
9	Rated peak withstand current	kA peak	63, 80, 100	
10	Protection degree		IP4X	
11	Compartment protection degree		IP2X	

#### Intorduction

Mvnex is used in the HV/MV and MV/MV substation MV part is indoor type metal-clad switchgear Switchgear is removable metal-clad type

### Structure

Encolsure:Aluminum-zinc plate

Painting: High-temperature painting epoxy power Insulation components: Flammable resistant

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## Technical specification

### Switchgear

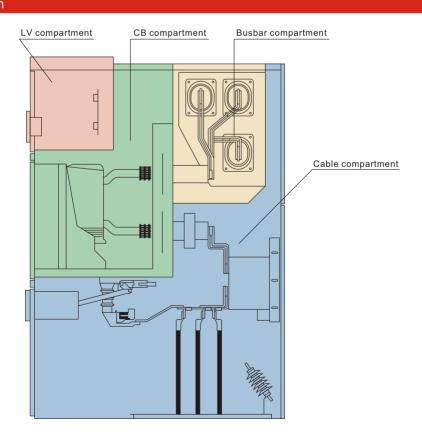
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Rated voltage	Ur	KV rms	12
Rated insulation			
1 P.F. withstand voltage(50Hz)	Ud	kV rms	42
Lightning impulse withstand voltage(1./50s)	Up	kV peak	75
Rated short-time withstand current(4s,Virtual value)	Is	kA rms(4s)	31.5
Rated peak withstand current	lp	kA peak	80
Protection degree	Enclosure(FU)		IP4X
Protection degree	Compartment		IP2X
Busbar			
Rated maxium working current	In	A rms	3150

### Outline dimension

Rated parameter	Outline dimension(mm)						
	Height	Width	Depth				
			Up incoming	Bottom incoming			
				Usual type	Anti-combustion arc counters		
630/1250A	2320	800	2195*	1595	1780		
2500A	2320	900	2295**	1595	1780		
3150A	2320	900	2245***	1745	1780		

<sup>\*</sup>Maximun backpack is 600mm, cable incoming

## Outline dimension



<sup>\*\*</sup> Maximum backpack is 700mm, cable imcoming

<sup>\*\*\*</sup>backpack is for busbar imcoming, 500mm