



General Description

SRM16-12/24 SF6 gas insulated switchgear (GIS) with the adoption of the modular design, can be fixed or extended, it is suitable for end-user or network, meanwhile meets the requirement of all kinds of power distribution substations, cabinet-type transformer substations, cable branch cabinets. It characters on its compact structure, safety and reliability, longevity and maintenance free.

Service environment

Above sea level: not higher than 2500m

Ambient temperature: -40°C~+45°C

Relative humidity: Daily mean RH not more than 95%;

Monthly mean RH not more than 90%

Earthquake: less than 8 degree

Specifications

| Item | Unit | C module | F module | V module | | CB module | |
|-------------------------------------|------|-------------------|-------------|---------------|-------------------------|------------------------|-------------------------|
| | | load break switch | switch fuse | vacuum switch | isolate/earthing switch | vacuum circuit breaker | isolate/earthing switch |
| Rated Voltage | kV | 12/24 | 12/24 | 12/24 | 12/24 | 12/24 | 12/24 |
| Power Frequency Withstand Voltage | kV | 42/50 | 42/50 | 42/50 | 42/50 | 42/50 | 42/50 |
| Lightning Impulse Withstand Voltage | kV | 95/125 | 95/125 | 95/125 | 95/125 | 95/125 | 95/125 |

| | | | | | | |
|--|-------|---------|--------|---------|-------|----------|
| Rated Current | A | 630/630 | note 1 | 630/630 | | 1250/630 |
| Rated Transfer Current | A | | 1750 | | | |
| Closed Loop Current | A | 630/630 | | | | |
| Off Load Cable Charging Current | A | 135/135 | | | | |
| 5% Rated Active Load Drop-out Current | A | 31.5/- | | | | |
| Earth Fault Breaking Current | A | 200/150 | | | | |
| When Earth Fault, Drop-out Current Of Cable Charging | A | 115/87 | | | | |
| Short Circuit Drop-out Current | kA | | note 2 | 20/16 | | 25/20 |
| Making Capacity | kA | 63/52,5 | note 2 | 50/40 | 50/40 | 63/50 |
| Short Time Current 2s | kA | 25/- | | | | |
| Short Time Current 3s | kA | -/21 | | 20/16 | 20/16 | 25/20 |
| Mechanical Life | Times | 5000 | 3000 | 5000 | 2000 | 5000 |

Note: 1.varies with rated current value of fuse

2.limited by high voltage fuse

Available modules

| | | |
|----|---|-------------------|
| C | Load break switch module | (Width=325mm) |
| De | Cable connect module with earthing switch | (Width=325mm) |
| D | Cable connect module without earthing switch | (Width=325mm) |
| F | Load break switch and fuse combination module | (Width=325mm) |
| V | Vacuum switch module | (Width=325mm) |
| SL | Bus bar section module(load break switch) | (Width=325mm) |
| SV | Bus bar section breaker module(vacuum switch) | (Width=650mm) |
| Be | Bus bar earth module | (Width=325mm) |
| M | Metering module | (Width=696/900mm) |
| CB | Vacuum circuit breaker module | (Width=500mm) |
| PT | Power module | (Width=400mm) |

