

FLW34-12/24 SF6 Load Break Switch

Summary

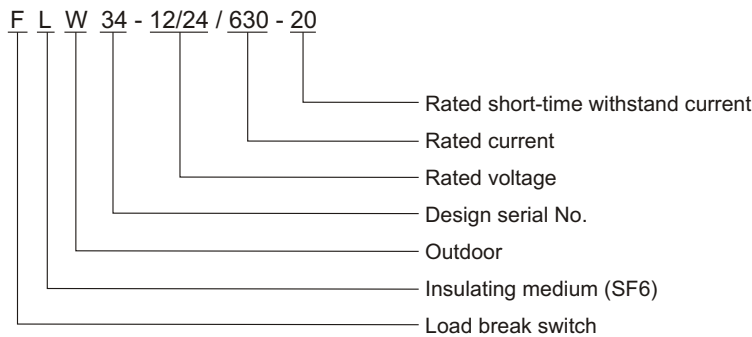
Outdoor SF6 Insulation Load Break Switch is used in outdoor 12/24kV three phase AC 50/60Hz power system to open and close load current and short circuit current. It accords with the standards of IEC62271-103 & GB/T3804 : 3.6~40.5kV High voltage switches, IEC60694 & GB/T11022: High voltage switch apparatus and control apparatus.



Ambient condition

1. Altitude: ≤1000m;
2. Ambient temperature: -35°C~+40°C;
3. Relative humidity: daily average ≤90%; monthly average ≤95%;
4. Earthquake intensity: ≤8 degree;
5. Applicable occasions should be free from inflammable, explosives and severe vibration.

Model



Product feature

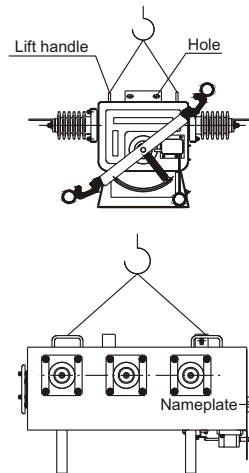
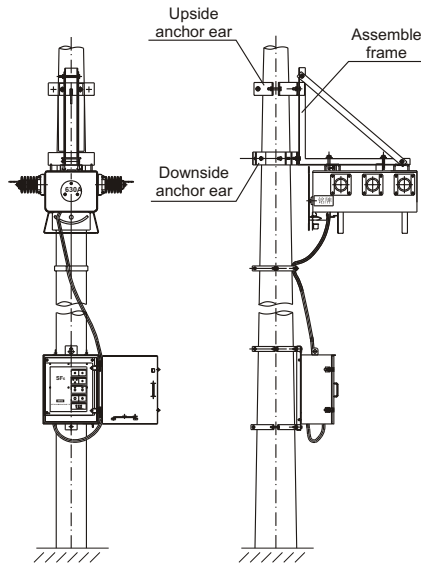
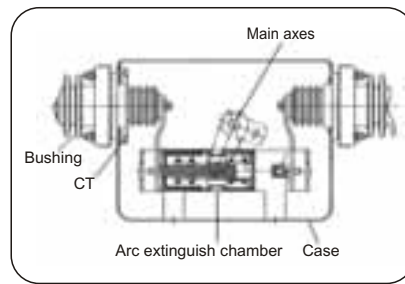
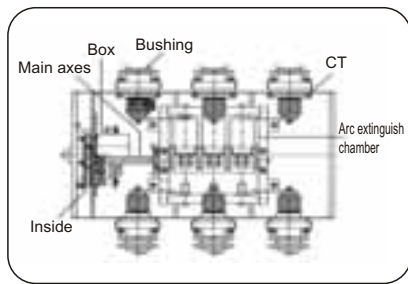
1. Stainless steel panel has good antiseptis and seal performance.
2. Light in weight and convenience for transit.
3. Maintenance Free.
4. With anti-explosive device.
5. The switch can be locked automatically when the press is 0.03 to 0.07MPa.

Technical specification

No.	Item	Unit	Data	
1	Rated voltage	kV	12/24	
2	Rated insulation level	Power frequency	Across open contacts:49,phase to phase, phase to earth:42	
3		Wet withstand voltage	Phase to phase, phase to earth:34/50	
4		Impulse withstand voltage	Across open contacts:85,phase to phase, phase to earth:75	
5	Rated power frequency	Hz	50/60	
6	Rated current	A	630	
7	Rated active load breaking current	A	630	Breaking 100 times
8	Rated loop breaking current	A	630	Breaking 10 times
9	5% rated active load breaking current	A	31.5	Breaking 20 times
10	Rated cable charging current	A	10	Breaking 20 times
11	Rated short-circuit making current(peak)	kA	50	Making 5 times
12	Rated short-time withstand current(4s)	kA	20	

No.	Item	Unit	Data
13	Rated peak withstand current	kA	50
14	Rated operating voltage(controller)	V	AC220
15	Auxiliary loop rated voltage	V	DC24
16	Mechanical life	Times	3000
17	Operating life	Year	< 15
18	Rated SF6 pressure(25°C)	Mpa	0.12
19	Rated SF6 yearly gas leakage rate		≤ 1%
20	Operating method		Spring operating(manual/motor)
21	Weight	kg	140(manual),195(motor),200(intelligent)

Installation drawing



Lightning arrester



Combined switch

