LW36A-126/145
High Voltage SF6 AC Circuit Breaker

Main technical parameters

No.	Item		Unit	Parameter
1	Rated voltage		kV	126/145
2	Rated power frequency withstand voltage（1min）	to ground		230/275
		between fracture		265/275
3	Rated lightning impulse withstand voltage	to ground		550/650
		between fracture		630/650
4	The power frequency withstand voltage when gas SF6 is zero pressure（5min）			95
5	Rated frequency		Hz	50
6	Rated current		A	3150
7	Phase coefficient			1.5
8	Rated short circuit breaking current		kA	40/31.5
9	Rated short circuit making current			100/80
10	Rated short time withstand current			40/31.5
11	Rated peak withstand current			100/80
12	Rated short circuit continuous time		s	4
13	Rated out of synchronism breaking current		kA	10
14	Short line fault breaking current			36，30
15	Rated line charge breaking current		A	31.5
16	Rated operating sequence			O-0.3s-CO-180s-CO
17	Switch off time		ms	30±3
18	Switch on time			75±8

No.	Item		Unit	Parameter
19	On-off time		ms	≤60
20	Main loop resistance		μΩ	≤ 40
21	Rated gas SF6 pressure (20℃ meter's pressure)		MPa	0.6
22	Alarm/closedown pressure（20℃ meter pressure)			0.55 / 0.50
23	Gas SF6 leak annual		%	≤ 1
24	Moisture content of gas		ppm(v)	≤150
25	Mechanical life		次	6000
26	Wireless interfere level		μV	≤500
27	Creepage distance	Between fracture	mm	3150/3625
		To ground		3150/3625
28	Gas SF6 weight of each circuit breaker		kg	10
29	Circuit breaker weight			1300

Main technical parameter of mechanism

No.	Item		Unit	Parameter
1	Auxiliary loop voltage		V	DC220
2	Rated operating voltage of switch on coil and switch off coil		V	DC220
3	Rated operating current of switch on coil and switch off coil		A	2
4	Energy store motor	Rated voltage	V	AC220 /DC220
		Voltage range of normal operation	V	65%~110%
		Power	W	600
5	Energy store time of motor		s	≤15
6	Manual energy store moment		N·m	≤30
7	Loop voltage of heater and lighting		V	AC 220
8	Rated voltage of auxiliary switch		V	DC 220
9	Rated current of auxiliary switch		A	10
10	Connection point pairs of auxiliary switch			20