

HFN12-24KV LBS 户内空气绝缘负荷开关 INDOOR AIR INSULATING LOAD BREAK SWITCH

ITEM	Description	Unit	Offered Date
1	Rated voltage (Un)	KV	24
2	Rated frequency	Hz.	50
3	Rated current	A	630
4	Rated short time current - 1 Sec (1th)	KA r. m. s.	20
	- 2 Sec (1th)	KA r. m. s.	10
5	Rated peak withstand Current (ldyn)	KA Peak	50
6	Rated short circuit Making capacity I _{ma}	KV Peak	50
7	Max breaking capacity cos Φ =0.25 acc	A r. m. s.	Acc. To IEC 420
	- supply voltage pivotside	A r. m. s.	800A
	- supply voltage openingside		800A
8	Rated mainly active load breaking Capacity cOSΦ=0.7 (11)	A r. m. s.	630
9	Max mainly active load breaking Capacity cos =0.3 (12)	A r. m. s.	630
10	Rated closed loop breaking Capacity cos Φ=0.3 (12)	A r. m. s.	630
11	Closed loop breaking current 20 Operation cos Φ0.3 inductive	A r. m. s.	630
12	Rated breaking current - 20 operation	A	630
	- max breaking current (3 operation)	A	630
13	Breaking current -200 operation cos Φ0.7	A	630
	-20 operation cos Φ0.15 inductive	A	16
	-20 operation capacitive	A	80
14	Rated transformer off-load breaking capacity cosΦ0.15 (13)	A r. m. s.	80
15	Rated single capacitor bank breaking capacity(14)	A r. m. s.	17
16	Rated cable charging capacity(16)	A r. m. s.	50
17	Earth-fault braking capacity acc. To VDE 0670/3 § 39 table 8 - fig E	A r. m. s.	50
	- fig D	A r. m. s.	
18	Power frequency withstand voltage 50 Hz. Min - to earth and between poles	KV r. m. s.	55
	- across the isolating Distance	KV r. m. s.	65
19	Impulse withstand voltage 1.2/50 μs - to earth and between poles	KV peak	125
	- across the isolating distance	KV peak	145
20	Mechanical life time in : (switching cycles)	2500 operation	
21	Shut down mechanism for the Switch when any fuse works	Shut down Mechanism for the switch when any fuse Works	
22	Lever drive handle (up and down)	Lever drive Handed(up and down)	
23	Stored energy operating mechanism by spring	Stored energy Operating mechanism By spring	
24	Max operating torque when : - closing	N. M	64
	- opening	N. M	64
25	Pole distance	mm	275
26	Operating angle on the shaft	Degree	80
27	Opening time	m. s	35
28	Arcing time	m. s	20
29	Arcquenching chamber	Provided	
30	Insulator - materials	MM	Epoxy Resin
	- greepage distance	MM	285mm
	- flash over distance		275mm
31	Shunt trip coil release - type	V	Epoxy
	- voltage of operation	W	220V
	- power input		550W
32	Contacts - material of contacts	Copper silver plated	
	- contact stage	2 stages	
33	Earthing switch attachment: - rated short time current (1th) 1 sec	KA r. m. s	25 KA rms
	- peak withstand current 1 (dyn)	KA Peak	50 KA rms
	- short circuit making capacity I _{ma}	KA Peak	50 KA rms
	- power frequency withstand voltage	KV	55
	- impulse withstand voltage	KV	125
	- pole distance	MM	275