

## HFN5-12KV LBS 户内交流高压负荷开关 INDOOR AC HV LOAD BREAK SWITCH



### ■ 产品概述 General

HFN5-12、HFN5-12RDL、HFN5-12RL 系列户内交流高压负荷开关适用于交流 50Hz, 12kV 的网络中, 作为开断负荷电流及关合短路电流之用。带有熔断器的负荷开关可切断短路电流, 做保护开关之用。该系列开关配备专用 CS 口手动操作机构或 CS6-1 型手动操作机构。

HFN5-12, HFN5-12RDL, HFN5-12RL Series indoor alternative current high voltage load switch is suitable in 50Hz, 10kV alternative current, power supply net for breaking load current and closing short circuit current. Load switch with fuse can close and open short circuit current for protection.

Specified CS□ manual operative mechanism or CS6-1 manual operative mechanism could be matched with this kind of series switches.

### ■ 负荷开关的技术参数 Technical data of load Break switch

序号 No.	名称 Name	单位 unit	参数 Parameter	
1	额定电压 rated voltage	kV	12	
2	额定频率 rated frequency	Hz	50	
3	额定电流 rated current	A	400	630
4	额定短时耐受电流 (热稳定电流) rated short-time withstand current	kA/s	12.5/4	20/2
5	额定峰值耐受电流 (动稳定电流) rated peak withstand current	kA	31.5	50
6	额定闭环开断电流 rated close circuit breaking current	A	400	630
7	额定有功负载开断电流 rated active load breaking current	A	400	630
8	5%额定有功负载开断电流 5% rated active load breaking current	A	20	31.5
9	额定电缆充电开断电流 rated cable-charging breaking current	A	10	
10	额定空载变压器开断电流 rated no-load transformer breaking current	1250Kva 变压器的空载电流 transformer no-load current		
11	额定短路关合电流 rated short-circuit making current	kA	31.5	50
12	负荷电流开断次数 load current breaking times	负荷 / 次 load/times	100%/20 5%/80	60%/35 30%/75
13	1min 工频耐受 (有效值) 对地、相间/隔离断口 1min power frequency withstand voltage(rms) phase to earth, phase to phase/isolating distance	kV	42/48	
14	雷电冲耐受电压 (峰值) 对地、相间/隔离断口 lightning impulse with stand voltage(peak) phase to earth, phase to phase/isolating distance	kV	75/85	
15	分合闸操作力矩 (力) operation force	Nm (N)	90(180)	100(2000)
16	外形尺寸 dimension	mm	768*330*460	768*330*627
17	包装箱外形尺寸 packing dimension	mm	810*500*420	810*650*420