

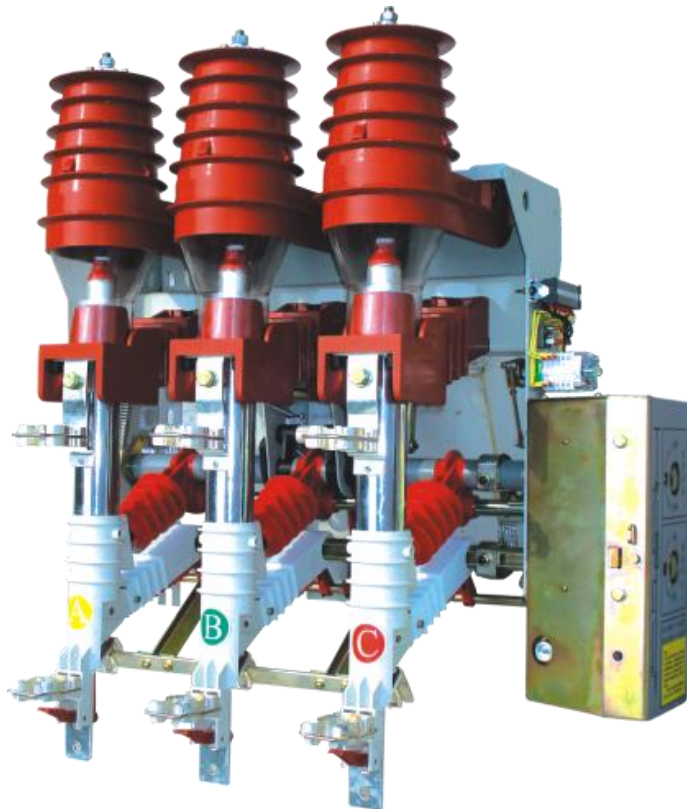
Hubei Jucro Electric CO., LTD.

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FN12-12KV



1. General

FN12-12D/630-50 indoor AC high voltage load break switch, rated voltage is 12KV, rated frequency is 50Hz. It is a kind of three phases high voltage switch equipment. It can be used to breaking- closing load current, closed current, charge current for no-load transformer and cable, closing short-circuit current. The Load break switch which assembles earthing switch can sustain short-circuit current.

FN12-12DR/1000-31.5 indoor AC high voltage load break switch-fuse combination electrical appliance is a combined indoor high voltage switch equipment which combined by FKN12-12D load break switch and S□LAJ-12(XRNT□-12)high voltage limiting current fuse. This appliance can open any current up to short circuit current; Load break switch open working current, Fuse open short circuit current, combination open any current from working current to short circuit current, meantime Fuse makes the Load break switch opening through striking

2. Technical data Performance

NO	Item	Unit	Data	
			FN12-12d/630	FN12-12(R)D/125
1	Rated voltage	kv	12	
2	Rated frequency	Hz	50	
3	Rated current	A	630	1000
4	1 min power frequency	kv	Earthing to earthing and between phase 75,isolation	

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	withstand voltage		fracture 85	
5	Light implus withstand voltage	kv	Earthing to earthing and between phase 42,isolation fracture 48	
6	Rated thermal stable current	kA	20(4s)	
7	Rated peak withstand stably current	kA	50	
8	Rated making current(peak)	kA	50	50
9	Rated breaking current (expected value)	KA		31.5
10	Rated shift current	KA		1.5
11	Breaking current	kA	1.8	
12	Breaking off-load transformer capacity	kVA	1250	
13	Rated cable charging current	A	10	
14	Rated active load current breaking times	Time	> 100	
15	Ram touched load switch off time	S		<0.06
16	Earth switch thermal stable current	kA		20(2s)
17	Earth switch thermal stable current (peak)	kA	50	50
18	Motor operation supply voltage	V	AC&DC 110、 220	

3. Mechanical characteristics

No.	Project	Unit	FN12-12D/630-20	FN12-12DR/100-31.5
1	Auxiliary contact opening distance	mm	>155	
2	Three-phase points, closing over the same period	ms	<3	
3	Just now speed	m/s	>2.8	2.80+0.4

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4	Just closing speed	m/s	>3.8	
5	The grounding switch fracture distance	mm	145 ± 5	
6	Main circuit resistance	μΩ	<120	<300
7	Maximum operating torque	N.m	<160	<180

4. Overall and installation dimensions

