

Summary

FKRN12-12D series pneumatic type load switch, fuse combination electric appliance can divide load current, overload current, the broken wire short circuit current. This switch is applicable to 12 kv and below three phase power distribution system, as the transformer, cables, overhead line and power equipment control and protection; Especially suitable for city network, site of the terminal substation and box transformer substation. And suitable for ring network, double radiation power supply unit control and protection.

Three action principle and operating sequence 1. Manual operation: switching: operating handle into the operation chain parts of load switch spindle hole according to the panel tip rotation direction, spindle drive the four connecting rod energy storage mechanism make closing spring is compressed, when the agency had dead center, tripping device of gusset plate trip, in closing spring, under the action of switch quickly closing. Break-brake: reverse direction rotary operating handle, spindle drive the energy storage mechanism rotation, the energy storage mechanism of self-locking device was points brake lever to unlock, in points brake spring, under the action of switch quickly points brake. Manual mechanism can also fit on electromagnetic shunt tripping device, points brake is just by turning on the power supply. 2. Electric operation: to electric mechanism and power, as long as a switch or points brake instruction, can automatically load switch and fuse combination electric close, break-brake operations. In addition, electric mechanism side is equipped with shunt tripping device, need points brake, switch on the power, also can finish points brake wipe European oh. 3. Grounding switch operation: jiang operating handle insert operation chain component of earthing switch on the spindle, according to the panel tip rotation direction can, but the size of hard to be applied to ensure closing in place. Points gate instead. This series of product has compact structure, reasonable design, reliable chain, insulation level high characteristic; Spring energy storage operation mechanism

Main technical parameters

Name	Unit	FKN12-12/630	FKRN12-12D/125
Rated voltage	KV	12	12
Rated current	A	630	125
Rated frequency	Hz	50	50
Rated lightning impulse ground interphase withstand voltage (peak)		75	75
Isolated fracture		85	85
Frequency withstand ground interphase voltage (1min)		42	42
Isolated fracture		48	48
Rated short-Withstand current (Thermal stability)			
load break switch	kA	20	
earth swith		20	
Rated short-circuit duration time(Thermal stability)			
load break switch	S	4	
earth swith		2	
Rated short-circuit closing current (peak)	kA	50	
Power load breaking current		630	
Close loop breaking current		630	
Rated breaking current	A		
5% power load breaking current		31.5	
Breaking no-load transformer capacity		10	10
cable charge current	kVA	1250	1250
Rated short-circuit making current (current limiting fuse)	kA		31.5
Rated transfer current	A		1200
Mechanical life	Times	2000	2000

Dimensions

