

# FZRN25-12D户内高压真空负荷开关-熔断器组合电器

Indoor HV Vacuum Load Switch-fuse Combination



## 产品概述 General



FZRN25-12D/T125-31.5型户内交流高压真空负荷开关-熔断器组合电器是三相交流50Hz, 额定电压12kV的户内装置, 适用于工矿企业配电所及变电站等场所, 作负荷控制和短路保护之用。配装的接地开关, 可以承受短路电流。操动机构可手动和电动, 便于实现电力系统的三遥控要求。

FZRN25-12D型负荷开关和组合电器适用于三相环网或终端供电的市区配电站和工业用电设备中, 作负荷控制和短路保护。由于组合电器对变压器等电器设备的保护作用比断路器更靠、更经济, 特别适用于环网、双幅射供电单元和箱式变电站。

FZRN25-12D/T125-31.5 type indoor AC HV vacuum load switch--Fuse combined electrical equipment is an indoor device of three-phase AC 50Hz and rated voltage 12kV. It is applied to the sites of distribution substation of industrial and mining enterprises and substation etc, used for load control and short circuit protection. The equipped ground switch can bear short circuit current. The manual and electromotive actuating mechanism is easy to realize the three remote control requirements for electric system.

FZRN25-12D type load switch and combined electrical equipment are applied to the urban areas distribution substation of three-phase ring net or terminal supply and industrial electric devices, used for load control and short circuit protection. As the combined electrical equipments bring more reliable and economic protection functions to transformer etc electrical devices, so it is especially applied to ring net, double radiation supply unit and box type substation.

## 主要技术参数 Main technical parameters

项目 Item	单位 Unit	参数 Parameters	
额定电压 Rated voltage	kV	12	
额定频率 Rate frequency	Hz	50	
额定电流 Rated current	A	125	
额定绝缘水平 Rated insulation level	1min工频耐压 1min line frequency withstand voltage	kV	灭弧室断口30; 对地、相间42; 隔离断口48 Arc extinguishing chamber is 30; to-ground/phase 42; isolation distance 48
	雷电冲击耐压 Thunder impulse withstand voltage	kV	对地、相间75; 隔离断口85 to-ground/phase 42; isolation distance 48
额定动稳定电流(峰值) Rated peak withstand current(peak)	kA	-	
4S热稳定电流 4S short-time withstand current	A	-	
额定有功负载开断电流 Rated active load breaking current	A	-	
额定闭环开断电流 Rated close-loop breaking current	A	-	
额定电缆充电开断电流 Rated cable charging breaking current	kVA	-	
开断空载变压器容量 Breaking capacity of no-load capacity	kA	-	
额定短路开断电流 Rated short circuit dropout current	A	31.5	
额定转移电流 额定交接电流 Rated transfer current and rated take-over current	A	2000	
熔断器型号 Model of fuse		SDLAJ-12SFLAJ-12	



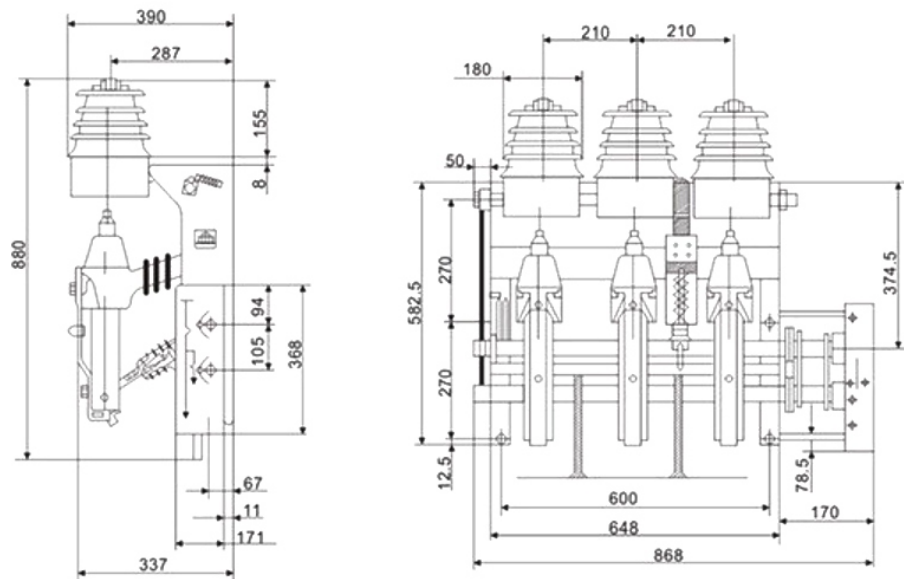
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续上表 Continued

项目 Item	单位 Unit	参数 Parameterers
额定关合电流 (峰值) Rated closing current (peak)	kA	50
额定短路开断电流 Rated short circuit breaking current	kA	31.5
开断空载变压器容量 Switching off no-load transformer capacity	kVA	1250
额定电缆充电电流 Rated cable charging current	A	10
额定有功负载电流 开断次数 Rated break times of active load current	次 time	10000
撞击器触发负载开关分闸时间 Opening time of load switch triggered by impactor	S	>0.06
接地开关热稳定电流 Thermal stable current of earthing switch	kA	20 (2S)
接地开关热稳定电流 Thermal stable current of earthing switch	kA	20 (2S)
接地开关动稳定电流 (峰值) Dynamic stable current of earthing switch (peak)	kA	50

## 外形尺寸及安装尺寸 Outline and installation dimension



(负荷开关外形尺寸图)  
Drawing of load switch outline dimensions