

# FLN36-12型SF6负荷开关和FLRN36-12型SF6负荷开关—熔断器组合电器

## FLN36-12 SF6 switch and FLRN36-12 SF6 switch — fuse combination

中压元件  
M.V. Apparatus



### 用途:

FLN36-12型SF6负荷开关和FLRN36-12型SF6负荷开关—熔断器组合电器适用于交流50Hz，额定电压12kV的供电网络中，作为开断负荷电流，也可作为开断环网供电方式的闭环电流之用，特别适用于终端供电或箱式变电站作为电能的控制和保护，用于无油化、不检修及频繁操作要求的场所。

### Application:

**FLN36-12 SF6 switch and FLRN36-12 SF6 switch — fuse combination** applies to the supply network with the frequency of AC 50Hz, and the rated voltage of 12kV, used for drop-out load current, or as the closed loop current in the drop-out ring net supply. It especially applies to terminal power supply or the box-type substation, for the control and protection of power, in situations where no oil, no inspection, and frequent operation are required.

### 特点:

- 电气参数高，性能稳定。
- 磁旋弧灭弧，零电压开断额定电流。
- 三工位开关，可手动、电动操作。
- 可频繁操作，免维修。
- 体积小。
- 可带压力表。
- 产品符合IEC60420-1990、GB3804-2004等标准。

### Characteristics:

- With high electrical parameters, and stable performance.
- Magnetic rotating arc for arc extinction, and 0 voltage breaking rated current.
- Three-station switches, which can either be operated manually or electrically.
- It can be operated frequently, without maintenance.
- Small volume.
- It can be equipped with the manometer.
- The product conforms to the IEC60420-1990, and GB3804-2004 Standards.

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### 主要技术参数

### Major technical parameters

序号 S/N	项目 Items	单位 Unit	技术参数 Technical Parameters
1	额定电压 Rated voltage	kV	12
2	额定电流 Rated current	A	630
3	额定频率 Rated frequency	Hz	50
4	熔断器最大额定电流 Maximal rated current for the fuse	A	125
5	额定绝缘水平 Rated insulation level	1min工频耐受电压 1min power-frequency withstand voltage	42(相间、对地);48(隔离断口) 42 (between phases, to earth);48 (across the isolation distance)
		雷电冲击耐受电压 Lightning impulse withstand voltage	75(相间、对地);85(隔离断口) 75 (between phases, to earth);85 (across the isolation distance)
6	额定转移电流 Rated transfer current	A	1700
7	额定短路开断电流（预期有效值） Rated short-circuit breaking current (prospective valid value)	kA	31.5
8	额定短路关合电流（预期峰值） Rated short-circuit making current (prospective peak value)	kA	50
9	额定短时耐受电流 Rated short-time withstand current	kA/S	20/4
10	额定峰值耐受电流 Rated peak withstand current	kA	50
11	机械寿命 Mechanical endurance	次 Times	2000
12	电寿命 Electrical endurance	次 Times	100
13	外形尺寸：宽×深×高 Dimension:W×D×H	mm	732×345×415（不带安装板） 732×345×415 (without the mounting plate)