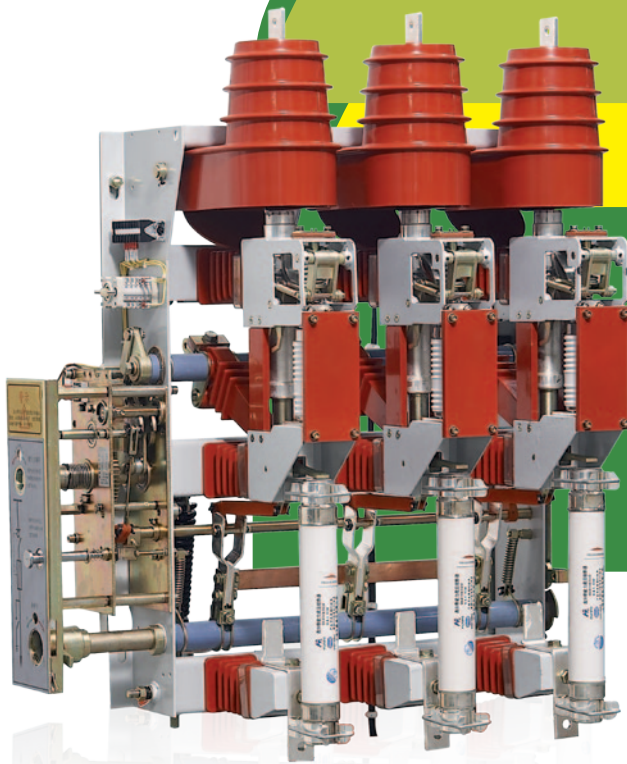


# SCZ-12

户内高压真空负荷开关  
Indoor High Voltage Vacuum Load-Switches

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## 适用范围

## Application

SCZ-12C 系列户内高压真空负荷开关是三相交流 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合，作为电气设施的保护和控制，用于分合负荷电流、闭环电流，空载变压器和电缆充电电流。

SCZ-12C 系列户内高压真空负荷开关—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合，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。

SCZ-12、SCZ-12 系列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更可靠、更经济、特别适用于环网，双幅射供电单元和箱式变电站。

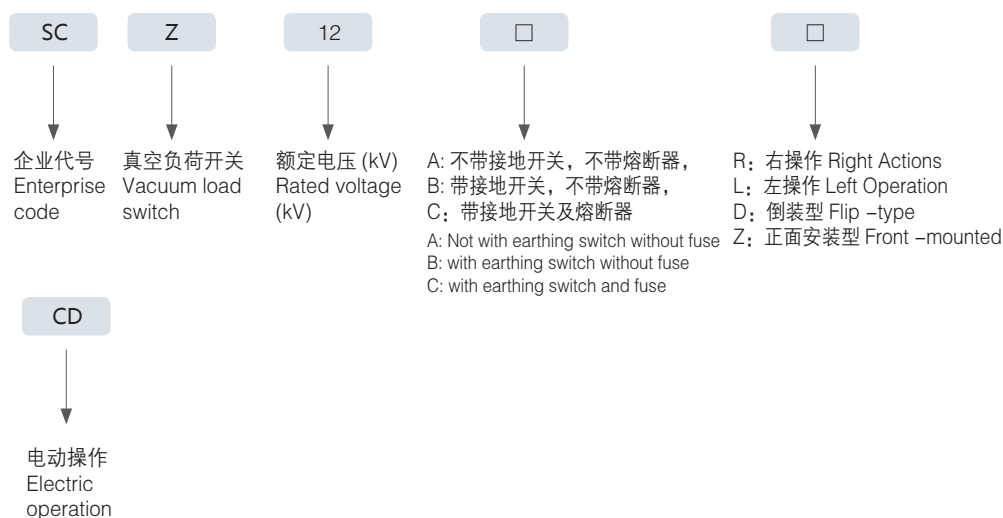
SCZ-12C series indoor high voltage vacuum load-switches is three-phase AC 50Hz, rated voltage of 12kV and indoor installations, for industrial and mining enterprises for distribution in clinics and substations and other occasions, as electrical protection and control facilities for the division and load current, loop current, no load transformer and cable charging current.

SCZ-12C series indoor high voltage vacuum load-switches- fuse combination units is three-phase AC 50Hz, rated voltage of 12kV for indoor installations for industrial and mining enterprises and other occasions to change the station distribution Institution for load control and short circuit protection purposes. Equipped with grounding switch can withstand short-circuit current. Actuator can be manual and electric, easy remote control three power system requirements.

SCZ-12, SCZ-12 series load switch and the combination of electric three-phase are for city distribution and industrial power equipment of three phase ring network or terminal power supply ,for load control and short circuit protection. As the combination of electrical transformers and other electrical equipment on the protective effect than the circuit more reliable, more economical, especially for rings, double radiation power supply units and box-type substation.

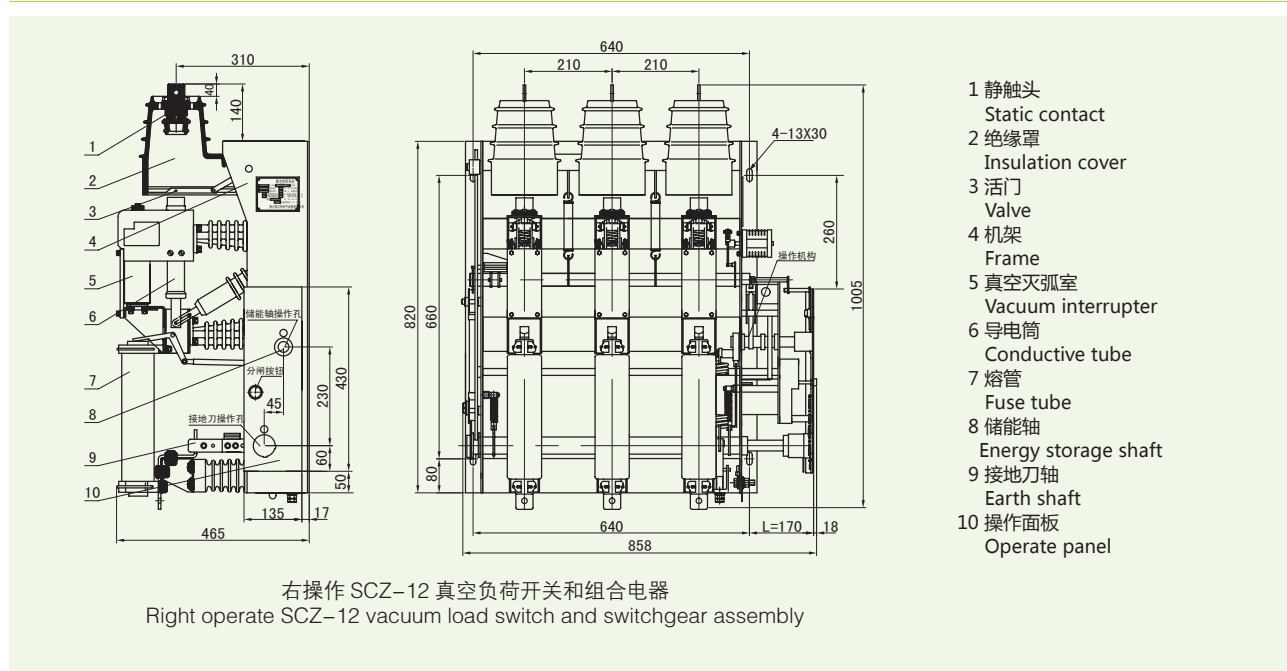
## 断路器型号、名称及含义

## Type of circuit breaker, the name and meaning



## 外形及安装尺寸

### General structure drawing and installation size



## 主要技术参数

### Mainly technical parameters

序号 No	项目 Item	单位 Unit	数值 Value	
			SCZ-12	SCZ-12C
1	额定电压 Rated voltage	kV	12	
2	额定频率 Rated frequency	Hz	50	
3	额定额定电流 Rated current	A		
4	额定绝缘水平 Rated insulation level	kV	灭弧室断口 30; Arc-quenching chamber fracture 30	
	(有效值)(effective value)		对地、相间 42; 隔离断口 48; Earth, phase 42, insulating fracture 48	
	雷电冲击耐受电压(峰值) Lightning impulse withstand voltage (peak)		对地、相间 75; 隔离断口 85; Earth, phase 75, insulating fracture 85	
5	额定动稳定电流(峰值) Rated dynamic current (peak)	kA	50	
6	4s 热稳定电流 thermal current	kA	20	
7	额定有功负载开断电流 Rated power load breaking current	A	630	
8	额定闭环开断电流 Rated closed-loop breaking current	A	630	
9	额定电缆充电开断电流 Rated cable charge breaking current	A	10	
10	额定开断空载变压器容量 Rated breaking no-load transformer capacity	kV	1250	
11	额定转移电流 Rated transfer current	A		2000
12	熔断器型号 Fuse model			SDLAJ-12
13	撞击器输出能量 Striker output energy	J		2 ~ 5
14	额定短路关合电流 Rated short-circuit closed current	kA	50	80(预期峰值)
15	接地开关额定动稳电流 Earth switch rated dynamic current	kA	50	
16	接地开关 2s 热稳电流 Earth switch 2s thermal current	kA	20	
17	辅助回路额定电压 Auxiliary circuit rated voltage	V	~ 220 ~ 110	
18	机械寿命 Mechanical life	次 Times	10000	
19	熔断器触发的分闸时间 Opening time of fuse trigger	ms	—	30 ~ 40
20	脱扣器触发的分闸时间 Opening time of tripper trigger	ms	40 ~ 50	