

产品特点 Features

ZW8-12系列真空断路器为额定电压12kV, 三相交流50Hz的户外高压开关设备, 主要用来开断关合农网、城网和小型电力系统的负荷电流、过载电流、短路电流。该产品总体结构为三相共箱式。三相真空灭弧式置于金属箱内, 利用SMC绝缘材料相间绝缘及对地绝缘, 性能可靠, 绝缘强度高。

ZW8-12G是由ZW8-12断路器与隔离开关组合而成的, 成为组合断路器, 可作为分段开关使用。

Rated voltage 12kV ZW8-12 series vacuum circuit breaker three-phase AC 50Hz outdoor high voltage switch equipment, mainly used for breaking closing rural network, city network and small-scale power system load current, overload current, short circuit current. The overall structure of the product for three-phase box-type. Type three-phase vacuum interrupter placed in a metal box, the use of SMC insulating materials and white insulation and ground insulation, reliable performance, high dielectric strength.

ZW8-12G is formed by the ZW8-12 circuit breaker and isolating switch combination, a combination of circuit breakers can be used as the disconnect switches.

型号含义 Type meaning

ZW 8-12 G / T 630-20

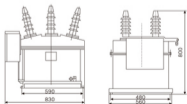
短路开断电流	Short-circuit breaking current
额定电流(A)	Rated current (A)
弹簧操动机构	Spring actuator
隔离刀	Isolation knife
额定电压(kV)	Rated voltage (kV)
设计序号	Design number
户外真空断路器	Outdoor vacuum circuit breaker

技术参数 Technology parameter

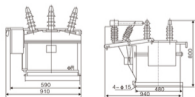
序号 NO.	名称 Name	单位 Unit	数据 Data		
			6.3kA	12.5kA	20kA
1	额定电压 Rated voltage	kV	12		
2	额定电流 Rated current	A	630(1250)		
3	额定短路开断电流 Rated short circuit making current(peak)	kA	6.3	12.5	20
4	额定短路关合电流(峰值) Rated short circuit closing current(peak)	kA	16	31.5	50
5	额定峰值耐受电流 Rated peak withstand current	kA	16	31.5	50
6	额定短时耐受电流 Rated short time withstand current	kA	6.3	12.5	20

序号 NO.	名称 Name	单位 Unit	数据 Data		
			6.3kA	12.5kA	20kA
7	额定绝缘水平 Rated insulation level	工频耐压(干式) Power frequency withstand voltage(dry type)	42		
		雷电冲击耐压(峰值) Lightning impulse withstand voltage(peak)	75		
8	额定操作顺序 Rated operating sequence		Off分0.3s-on/off合分-180s-on/off合分		
9	机械寿命 Mechanical life	次time	10000		
10	额定短路开断电流开断次数 Rated short-circuit breaking current times	次time	30		
11	操动机构额定合闸电压 Rated operation closing voltage	V	110 220 24		
12	操动机构额定分闸电压 Rated operation opening voltage	V	110 220 24		
13	触头开距 Contact distance	mm	11 ± 1		
14	超行程(触头弹簧压缩长度) Overtravel(contact spring compression degree)	mm	3		
15	三相分、合闸不同期性 Opening/closing is not synchronized	ms	≤ 2		
16	触头合闸弹跳时间 Contact closing bounce time	ms	≤ 2		
17	平均分闸速度 Average opening speed	m/s	1.2 ± 0.3		
18	平均合闸速度 Average closing time	m/s	0.6 ± 0.2		
19	分闸时间 Opening time	s	≤ 0.06		
20	合闸时间 Closing time	s	≤ 0.1		
21	各相主回路电阻 Each phase loop DC resistance	uΩ	≤ 200		
22	动静触头允许磨损失量厚度 Static and dynamic contact wear allowance thickness	mm	3		

外形尺寸及安装图 Outline and installation dimensions



ZW8-12外形尺寸图



ZW8-12G外形尺寸图