

ZW20AF-12/24 Outdoor AC MV Sectionalizer

Summary

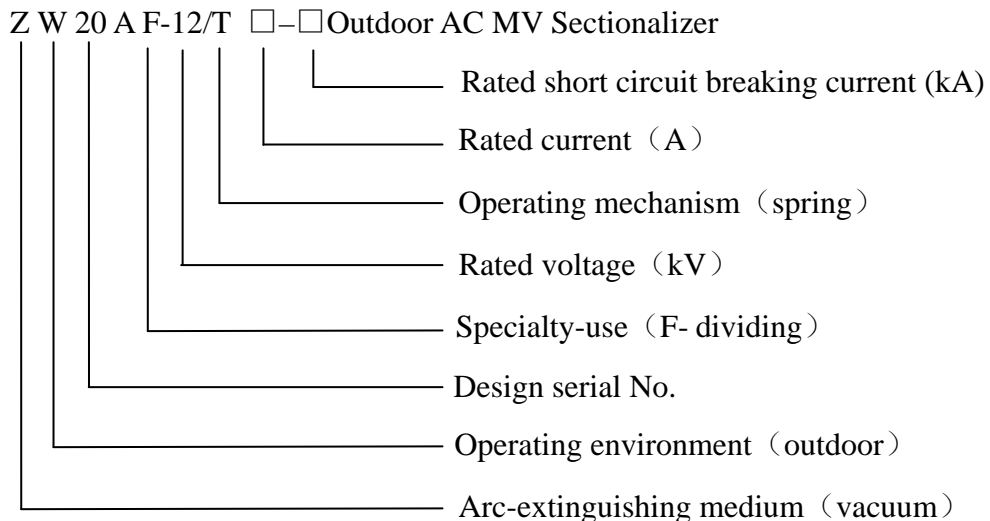
ZW20AF-12 Outdoor AC MV Sectionalizer is outdoor HV switch with 12kV rated voltage. It consists of ZW20A outdoor HV AC vacuum circuit breaker body, FDR-02 fault detect controller and external voltage transformer, ZW20AF-12 circuit breaker is maintenance-free, passed PCCC certification, is the good item of pole-mounted circuit-breakers. Product won several national patents, patent number: ZL 01 2 38862.9, ZL 2006 2 0119212.2, ZL2008 2 0177944.6, ZL 2010 2 0109003.6.



Ambient Condition

- 1 Environmental air temperature: $-40^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 2 Altitude $\leq 1000\text{m}$;
- 3 Wind pressure not exceeding 700Pa (wind speed =34m/s);
- 4 Air polluted degree: IV;
- 5 The earthquake intensity is not exceeding 8 degree.
- 6 Installation site: without fire risk, explosion hazard, heavy pollution, chemical corrosion and violent vibration;
- 7 Neutral point grounding mode of the power grid: neutral point does not grounding, neutral point groundings by arc suppression coil, neutral point groundings by arc suppression coil by low resistance.

Model



Technical Parameters

No.	Item			Unit	Data
1	Rated voltage				12
2	Rated insulation level	1min P.F. Withstand	Dry test (phase to phase, phase to ground/ fracture)	kV	42/49
			Wet test(phase to ground/ external insulation)		34
		lightning impulse withstand voltage (phase to phase, phase to ground/ fracture)			75/85
3	Rated current			A	630、1000
4	Rated frequency			Hz	50
5	Rated short circuit breaking current			kA	20、25
6	Rated withstand current (peak)				50、63
7	Rated short-time withstand current				20、25
8	Rated short circuit making current (peak)				50、63
9	Rated short-time withstand time			s	4
10	Rated operating seq.				O-0.3s-CO-180s-C
11	Time of rated short circuit breaking current			time	30
12	Mechanical life			time	10000
13	Rated Operating voltage			V	220

Main Feature

- ◆ Reliable sealing performance: with mature technology, IP67 protection grade, the enclosure using a molding die drawing process, easy to seal box, high air tightness, high mechanical strength;
- ◆ Excellent breaking performance: breaking short-circuit current 25kA is up to 30 times;
- ◆ Flexible installation: column hoisting or sitting installation;
- ◆ It has the characteristics of free maintenance: main circuit of circuit breaker, secondary components and operating mechanisms are sealed in the SF6 gas (zero gauge), not affected by the external environment, with stable performance, reliable, maintenance free;
- ◆ The inlet-outlet line has excellent insulation performance: adopt fluid silicone rubber casing, so that the distance between two to 280 mm, with excellent insulation performance;
- ◆ Safe use : at the top of the box equipped with explosion-proof device, can effectively prevent runaway in switch fault object;

Outline Drawing

Max. size of cross arm is 85×85

