

ZW20-12 outdoor column high voltage vacuum circuit breaker, used for outdoor high volt. Distribution Switchgear, rated voltage 12 kV, three-phase AC 50 HZ. Mainly used for opening, closing the power system load current, overload current and short circuit current. The main configuration consists of vacuum breaker, CH-40 controller, external voltage transformer (Note: distribution automation line ring network available in bilateral PT) three parts.

This product are widely used in 10kV, 13kV city, rural power grid space ring network for disconnecting switch, contact switch, automatic switch device which can implement the ring deployment line load.

It uses vacuum arcing SF6, N2 mixed gas as dielectric, to introduce the Toshiba VSP5 gas seal, explosion, insulation structure technology, the overall excellent sealing performance. Inside is filled with SF6, N2 mixed gas which does not leak, not affected by the external environment. The spring operating mechanism with miniaturization and performance optimization design, action reliability is much higher than the traditional spring mechanism

Technical Data

1	Rated voltage	KV	12
2	Frequency	HZ	50
3	Rated current	A	630, 1000
4	Rated short-circuit breaking current	KA	12.5, 16, 20, 25
5	Rated withstand current(peak)	KA	31.5, 40, 50, 63
6	Rated short-time withstand current(4s)	KA	12.5, 16, 20, 25
7	Rated short-circuit making current(peak)	KA	31.5, 40, 50, 63
8	Mechanical life	Times	10000
9	Rated short-circuit breaking time	Times	30
10	1min P.F withstand voltage-dry(phase to phase, to earth; across open contacts)	KV	42/49/60
11	Lightning impulse withstand voltage peak (phase to phase, to earth; across open contacts)	KV	75/85/125
12	P.F withstand voltage for secondary loop	KV	2
13	Net weight	KG	140
14	SF6 rated gage pressure	Mpa	0

Mechanical Properties Data

1	Rated contact stroke	mm	9 ±1
2	Average opening speed	m/s	1.1±0.2
	Average closing speed	m/s	0.6±0.2
3	Three-pole simultaneity	ms	≤5
4	Three-pole simultaneity (assembled with isolator)	ms	≤2
5	Distance of charged body and relative air	mm	≤2
6	Core distance between phases	μΩ	≤200

Outline Dimension

