

Indoor AC HV Vacuum Circuit Breaker TYPE - VT2-12 (ZN73-12)

General :

This kind of product is indoor equipment with three-phase AC of 50HZ and rated voltage of 12KV, can be used to protect and operate the apparatuses in the industrial and mining enterprises, power plants and substations, especially in the workplaces that require no oil, little maintenance and long service life. VT2-12 can be equipped in the fixed type switchgears, two-layer switchgears and mid-mounted ones.



VT2 vacuum circuit breaker is fitted with middle-sealed ceramic vacuum arc-chutes. Its contact is made of a material with low closure value and its structure is a horizontal magnetic field in ring. The characteristics of the VT12 are as follows: large capacity of breaking current, higher insulation level, strong nature of arc extinguishing, and long electric service life.

VT2 consists of an operative mechanism in the front and an arc-chute at the back. Its main conducting return circuit is three-phase floor type. The vacuum arc-chute is inserted into the insulating sleeve like a tube. Its function cannot be influenced by outside environment, such as heat, humidity and pollution. Its operative mechanism is a kind of torsional spring operated by two ways that is manual energy storage and motor energy storage.

Technical Parameter:

NO	Name	Unit	VT2-12/630(1250,1600)-25	vt2-12/630(1250,1600)-31.5	vt2-12/2000(2500,3150)-40
1	Rated voltage	KV	12		
2	Rated current	A	630,1250,1600	630,1250,1600	2000,2500,3150
3	Rated frequency	Hz	50		
4	Rated 1min power frequency withstand voltage	KV	42		
5	Lightning impulse withstand voltage	KV	75		
6	Rated short-time withstand	KA	25	31.5	40

	current				
7	Rated short-circuit breaking current	KA	25	31.5	40
8	Rated peak withstand current	KA	63	80	100
9	Rated short-circuit making current $\sqrt{3}$ crest $\sqrt{3}$	KA	63	80	100
10	Rated short-circuit lasting time	S	4		
11	Rated short-circuit breaking times	Times	75	75	30
12	Rated operative sequence		Off-0.3s-off/on-180s-off/on		
13	Mechanical Endurance	Times	20000		
14	The rated voltage/current of closing operation	V/A	200/1.5 100/3		
15	The rated voltage/current of opening operation	V/A	200/1.5 100/3		
16	Rated voltage of the Secondary circuit	V	220		
17	Rated current of the Secondary circuit	A	5		
18	Rated voltage of energy storage mechanism	V	AC220,110 DC220,110		
19	Energy storage time	S	<15		
20	Rated 1min power frequency withstand voltage of the Secondary circuit	V	2000		
21	Rated single condenser group breaking	A	630		

	current		
22	Rated back-to-back condenser group breaking current	A	400
23	Net weight	Kg	130
24	Dimensions	Mm	650x632x614
25	Package	Mm	820x820x800

Notes for ordering:

Please indicate while ordering:

- a. Name, model, and specifications, quantity;
- b. Rated voltage, rated current and rated short-circuit breaking current;
- c. Rated operative voltage;
- d. The name and quantity of accessories;
- e. Indicate other special requirements.