

ZN23-40.5 vacuum circuit breaker is for the rated 40.5kA, three-phase AC 50Hz indoor high voltage electrical equipments. It's applied to industrial and mining enterprises, substation and transmission and distribution systems for control and protection switching; particularly suitable for metallurgy, electric arc steel-making industries, etc., frequent operation required, as a control and protection equipment.

This product meets the GB1984-89 <AC High Voltage Circuit Breaker>standard. Circuit breaker directly into the GBC-35, JYN1-35 cabinet, remove the plug can be installed separately.

Environment Condition:

- Ambient temperature:-15℃~+40℃
- Altitude: ≤1000m
- Daily average relative humidity: ≤95%; Monthly average relative humidity: ≤90%
- Daily average saturated vapor pressure: ≤2.2KPa; Monthly average value : ≤1.8KPa
- Earthquake intensity: ≤8 degree
- No fire, explosion, severe vibration, chemical corrosion and serious pollution

Technical Data

1	Rated voltage	KV	40.5	
2	Lightning impulse withstand voltage (peak)	KV	185	
3	1min power frequency withstand voltage	KV	95	
4	Rated Frequency	HZ	50	
5	Rated current	A	1250,1600, 2000	
6	Rated short-circuit making current	KA	25	31.5
7	Rated short-circuit withstand current	KA	25	31.5
8	Rated peak withstand current	KA	63	80
9	Rated short-circuit continued time	s	4	
10	Rated short-circuit making time	ms	≤90	
11	Rated short-circuit ON-OFF current	KA	80	
12	Rated operating sequence		O-0.3s-CO-180s-CO	
13	Closing Time	ms	50~85	
14	Opening Time	ms	40~85	
15	Rated current making current breaking times	Times	20	
16	Mechanical life time	Times	10000	
17	Rated capacitor making current	A	630	
18	Energy storage motor rated power	W	275	
19	Energy storage motor rated voltage	V	AC/DC220 110	
20	Storage time	S	≤15	
21	Closing and opening solenoid rated voltage	V	≈220, 110	
22	Loss of pressure tripping device rated voltage	A	≈220, 100	
23	Over current tripping device rated current	A	5	
24	Auxiliary switch rated voltage current	A	10	
25	Contact opening distance	mm	25±2	
26	Contact contact trip	mm	6±2	
27	Contact closing bounce time	ms	≤3	

Outline Dimension

