

ZN23-40.5C/1600-25 Series Indoor Cart Type Vacuum Circuit Breaker



► **General**

The ZN 23-40.5 super elevated life vacuum circuit breaker is rated voltage 40.5kV, three-phase AC 50Hz indoor high voltage electric appliance equipment. It is suitable for using in industry and mining enterprise, transformer substation and so on for controlling and protecting switch-gear; especially for the metallurgy, the electric arc steel-making and so on where needs the frequently operation for control and protection device.

This product conforms to GB1984 "A.C high voltage Circuit breaker" standard.

► **Main Technical Parameter**

Parameter name	Unit	Data
Rated voltage	kV	40.5
Lightning impulse withstand voltage (peak value)	kV	185
Imin power frequency withstand voltage	kV	95
Rated frequency	Hz	50
Rated current	A	1250、1600、2000
Rated short-circuit breaking current	kA	25、31.5
Rated short-time withstand current	kA	25、31.5
Rated peak value withstand current	kA	63、80
Rated short-circuit duration	s	4
Rated short-circuit breaking time	ms	≤90
Rated short-circuit making current	kA	63、80
Rated operation sequence		O-0.3s-CO-180s-CO

Vacuum Switch Series

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Following above table

Parameter	Unit	Data
Closing time	ms	50~85
Opening time	ms	40~85
Rated capacitor bank breaking current	Time	20
Mechanical life	Time	10000
Rated capacitor bank breaking current	A	630
Stored energy electrical machinery rated power	W	275
Stored energy electric motor rated voltage	V	≈ 220.110
Stored energy time	s	15
Operation voltage	V	≈ 220.110
Overcurrent release rated current	A	5
Auxiliary contact rated current	A	10

► Overall and installation dimensions

