



## TD-1.14/500-9 Breaker used vacuum interrupter

### Brief introduction:

The Interrupter adopts “one shut technology”, ceramic shell, CuCr25Te as the contact material; is characterized by high insulation, low stop-flow, strong blowout ability, long life, small size etc, and has advantages as easy to maintain, no explosion risk, pollution-free and low noise etc. Breakers assembled by it are used to control and protect the electricity transmission and distribution system in electrical, mechanical, chemical, metallurgy, mining and railway department

### Main technical specifications:

Name	Unit	Value
Rated voltage:	kV	1.14
Rated current:	A	500
Rated short-circuit breaking current/breaking times:	KA/times	9/30
Rated short-time withstand current /duration:	KA/S	9/4
1 minute withstand voltage:	KV	10
Mechanical Life:	times	15000
Contact automatic closing force:	N	75 ± 20
Contact Max stroke:	mm	4.5
counterforce in contact rated stroke:	N	95 ± 20
Contact resistance under rated contact pressure:	u Ω	≤ 40
contact erosion limit:	mm	1.5
Interrupter Max weight	Kg	0.72
Storage duration:	year	15

### The required mechanical specifications for the matched structure.

Contact Stroke:	mm	3 ± 0.5
Contact Overtravel:	mm	1.5 ± 0.2
Average opening speed:	m/s	1 ± 0.2
Average closing speed:	m/s	0.6 ± 0.1
Rated contact pressure:	N	250 ± 20
Contact closing bounce time:	ms	≤ 1.5
Three-phases synchronization	ms	≤ 1

