

## MAIN TECHNICAL DATA

Data	Unit	Value	
Rated Voltage	kV	12	
Lightning Impulse Withstand Voltage (Peak)	kV	75	
1min Short-time (1min) Power-frequency Withstand Voltage	kV	42	
Rate Frequency	Hz	50	
Rated Current	A	400	
Rated Short-time Withstand Current	kA	4	
Rated Duration of Short-circuit	s	4	
Min Rated Breaking Current	A	80	
Max Rated Breaking Current	kA	3.2	
Limit Breaking Current	kA	4	
Rated Making Current	kA	4	
Rated Operating Frequency	/h Operations/h	120	
Short-time Operating Frequency	/h Operations/h	1200	
Electrical Endurance	AC-3	Operations	250000
	AC-4	Operations	100000
Mechanical Endurance	Operations	300000	
Clearance Between Open Contacts	mm	6± 1	
Contact Closed Force Due to Bellows and Atmosphere	N	75± 20	
Counterforce of Contact at Full Stroke	N	110± 20	
Circuit Resistance at Min. Rated Contact Force	μ	50	
Contact Limit Erosion	mm	3	
Mass of Moving Parts	kg	0.4	
Internal Gas Pressure	Pa	<1.33× 10 <sup>3</sup>	
Shelf Life	Year	20	

## MECHANICAL DATA OF VACUUMSWITCH EQUIPPED WITH THE INTERRUPTERS

Data	Unit	Value
Average Opening Speed	m/s	0.5± 0.15
Average Closing Speed	m/s	0.25± 0.1
Contact Bounce Duration at Closing Operation	ms	3
Out of Simultaneity of Contact Closing and Opening	ms	1
Rated Contact Pressure	N	90 <sub>0</sub> <sup>20</sup>
Max. rebound of contact at opening Operation	mm	2
Overtravel during opening	mm	2

1 IEC60470 GB/T14808-2001

Note1: Meets or exceeds the electrical endurance requirements for IEC60470 and GB/T14808-2001.

2 25Nm

Note2: The movable stem of the VI could only suffering no more than 25Nm twisting force and in order not to damage the metal bellows, the movable stem should be prevent from rotation when assembling. For more requirements please check the Instructions of Usage.

