

MAIN TECHNICAL DATA

Data	Unit	Value
Rated Voltage	kV	40.5
Lightning Impulse Withstand Voltage (Peak)	kV	185
1min Short-time (1min) Power-frequency Withstand Voltage	kV	115
Rate Frequency	Hz	50
Rated Current	A	2000
Rated Short-time Withstand Current	kA	31.5
Rated Duration of Short-circuit	s	4
Rated Peak Withstand Current	kA	80
Rated Short-circuit Making Current	kA	80
Rated Short-circuit Breaking Current	kA	31.5
Max. Dc component		40%
Switch Operations of Rated Short-circuit Breaking Current	Operations	20
Rated Single Capacitor Bank Breaking Current ¹	A	400
Rated Back-to-back Capacitor Bank Breaking Current	A	400
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	25 ⁰ ₋₃
Contact Closed Force Due to Bellows and Atmosphere	N	215± 35
Counterforce of Contact at Full Stroke	N	300± 50
Circuit Resistance at Min. Rated Contact Force	μ	21
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	4.0
Internal Gas Pressure	Pa	<1.33x 10 ³
Shelf Life	Year	20
Rated Operating Sequence	-0.3 - 180 - Open - 0.3s - 00 - 180s - 00	

MECHANICAL DATA OF VACUUMSWITCH EQUIPPED WITH THE INTERRUPTERS

Data	Unit	Value
12mm Average Opening Speed first 12mm	m/s	1.7± 0.3
6mm Average Closing Speed last 6mm	m/s	1.3± 0.3
Contact Bounce Duration at Closing Operation	ms	3
Out of Simultaneity of Contact Closing and Opening	ms	2
Rated Contact Pressure	N	3200 ⁺³⁰⁰ ₀
Contact Pressure at contact touch point		2250 ⁺²¹⁰ ₀
Max. rebound of contact at opening Operation	mm	3
Overtravel during Opening	mm	3

1 " " Note1: " " Rated characteristics to be given on request

2 IEC62271-100 GB1984-2003 E2

Note2 Meets or exceeds the electrical endurance requirements of class E2 for autoreclosing duty per IEC 62271-100 and GB1984 2003
3

Note3 The movable stem of the VI could not suffer 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.

4 2700m Note4: The altitude is not higher than 2700 meters

