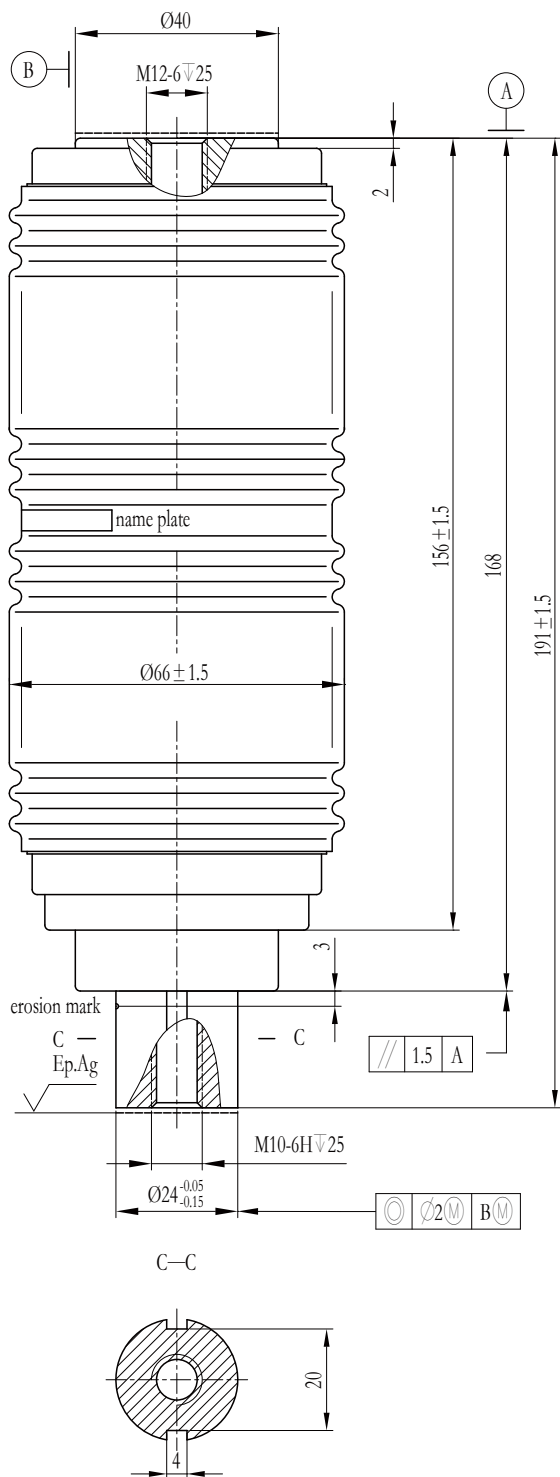




Vacuum Interrupter for Load-Breaking Switch

GTF-12/630-20C



Main Technical Data		
Item	Unit	Value
Rated Voltage	kV	12
Lightning Impulse Withstand Voltage (Peak)	kV	75
Short-time (1min) Power-frequency Withstand Voltage	kV	42
Rated Frequency	Hz	60
Rated Current	A	630
Rated Short-time Withstand Current	kA	20
Rated Duration of Short-circuit	s	4
Rated Peak Withstand Current	kA	50
Rated Short-circuit Making Current	kA	50
Rated Active Load Breaking Current	A	630
Rated Closed-loop Breaking Current	A	630
Rated Single Capacitor Bank Breaking Current	A	400※
Rated Back-to-Back Capacitor Bank Breaking Current	A	400※
Rated Breaking Current of Cable Charging	A	10
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	8±1
Contact Closed Force Due to Bellows and Atmosphere	N	70±20
Counterforce of Contact at Full Stroke	N	130±20
Circuit Resistance at Min. Rated Contact Force	μΩ	≤30
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.3
Internal Gas Pressure	Pa	<1.33×10 ⁻³
Shelf Life	Years	20

Mechanical Data of Switch Equipped With Interrupter		
Item	Unit	Value
Average Opening Speed	m/s	1.0±0.2
Average Closing Speed	m/s	0.6±0.2
Contact Bounce Duration at Closing Operation	ms	≤3
Out of Simultaneity of Contact Closing and Opening	ms	≤1
Rated Contact Pressure	N	900 _{0.200}
Max. Rebound of Contact at Opening Operation	mm	2
Overtravel During Opening	mm	≤2

Note 1: “※” Rated characteristics to be given on request;

Note 2: Meets or exceeds the electrical endurance requirements of class E1 for autoreclosing duty per IEC 60265-1;

Note 3: The movable stem of the vacuum interrupter could not suffer on more than 45N · m twisting force and in order not to damage the metal bellows, the movable stem should be prevented from rotation when assembling. For more requirements please check the Instructions of Usage.