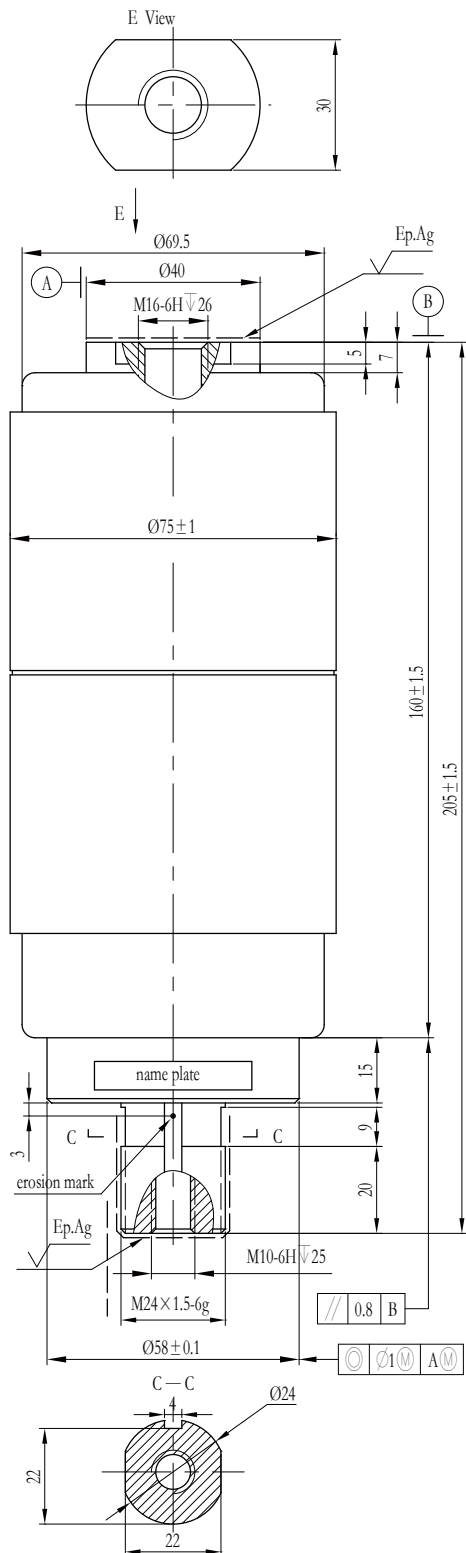


## GTF-24/630-20



### Main Technical Data

Item	Unit	Value
Rated Voltage	kV	24
Lightning Impulse Withstand Voltage (Peak)	kV	145☆
Short-time (1min) Power-frequency Withstand Voltage	kV	38/79☆
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	16
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	13 ± 1
Contact Closed Force Due to Bellows and Atmosphere	N	110 ± 40
Counterforce of Contact at Full Stroke	N	190 ± 40
Circuit Resistance at Min. Rated Contact Force	μΩ	≤ 30
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.9
Internal Gas Pressure	Pa	< 1.33 × 10 <sup>-3</sup>
Shelf Life	Years	20

### Mechanical Data of Switch Equipped With Interrupter

Item	Unit	Value
Average Opening Speed	m/s	1.2 ± 0.2
Average Closing Speed	m/s	1.0 ± 0.2
Contact Bounce Duration at Closing Operation	ms	≤ 3
Out of Simultaneity of Contact Closing and Opening	ms	≤ 1
Rated Contact Pressure	N	1000 <sub>0</sub> <sup>+200</sup>
Max. Rebound of Contact at Opening Operation	mm	2
Overtravel During Opening	mm	≤ 2

Note 1: "☆" Within transformer oil or equivalent isolation medium;

Note 2: "※" Rated characteristics to be given on request;

Note 3: Meets or exceeds the electrical endurance requirements of class E1 for autoreclosing duty per IEC 60265-1;

Note 4: The movable stem of the vacuum interrupter could not suffer on more than 20N · 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.