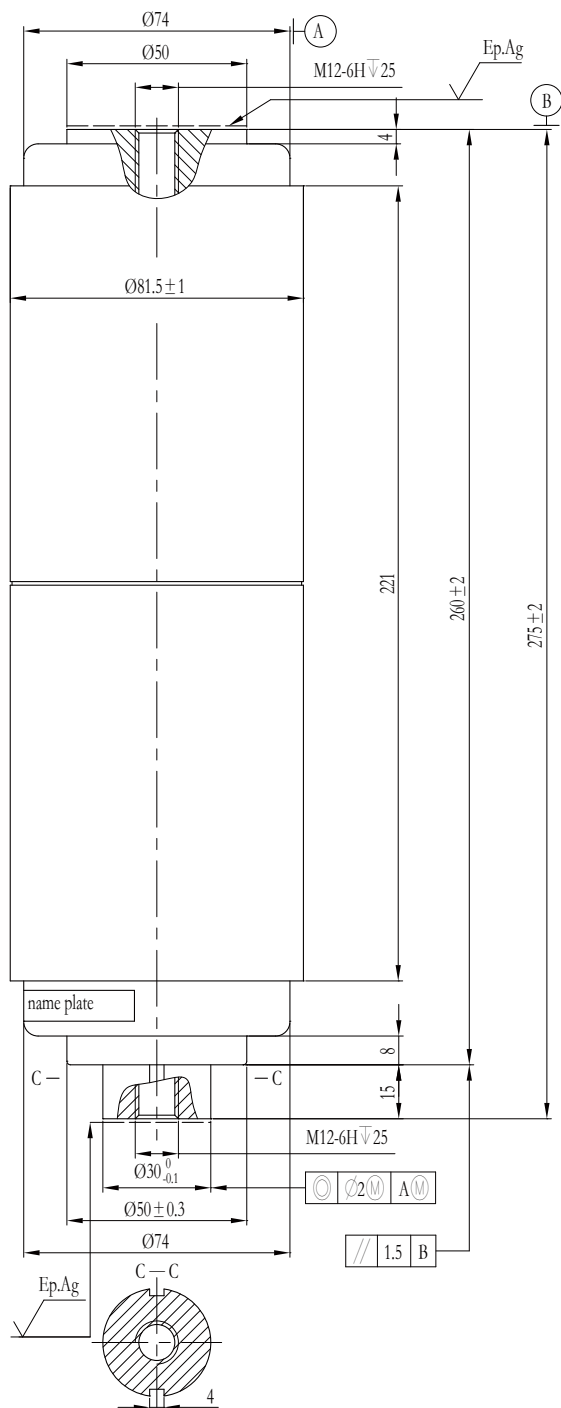


GTF-40.5/1250-25B



Main Technical Data

Item	Unit	Value
Rated Voltage	kV	40.5
Lightning Impulse Withstand Voltage (Peak)	kV	209☆
Short-time (1min) Power-frequency Withstand Voltage	kV	107☆
Rated Frequency	Hz	60
Rated Current	A	1250
Rated Short-time Withstand Current	kA	25
Rated Duration of Short-circuit	s	4
Rated Peak Withstand Current	kA	63
Rated Short-circuit Making Current	kA	63
Rated Active Load Breaking Current	A	1250
Rated Closed-loop Breaking Current	A	1250
Rated Single Capacitor Bank Breaking Current	A	—
Rated Back-to-Back Capacitor Bank Breaking Current	A	—
Rated Breaking Current of Cable Charging	A	21
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	16±1
Contact Closed Force Due to Bellows and Atmosphere	N	110±40
Counterforce of Contact at Full Stroke	N	210±40
Circuit Resistance at Min. Rated Contact Force	μΩ	≤30
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.7
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	1.5±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	1400 ₃ ¹⁵⁰
Max. Rebound of Contact at Opening Operation	mm	3
Overtravel During Opening	mm	≤3

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

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 40N · 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.