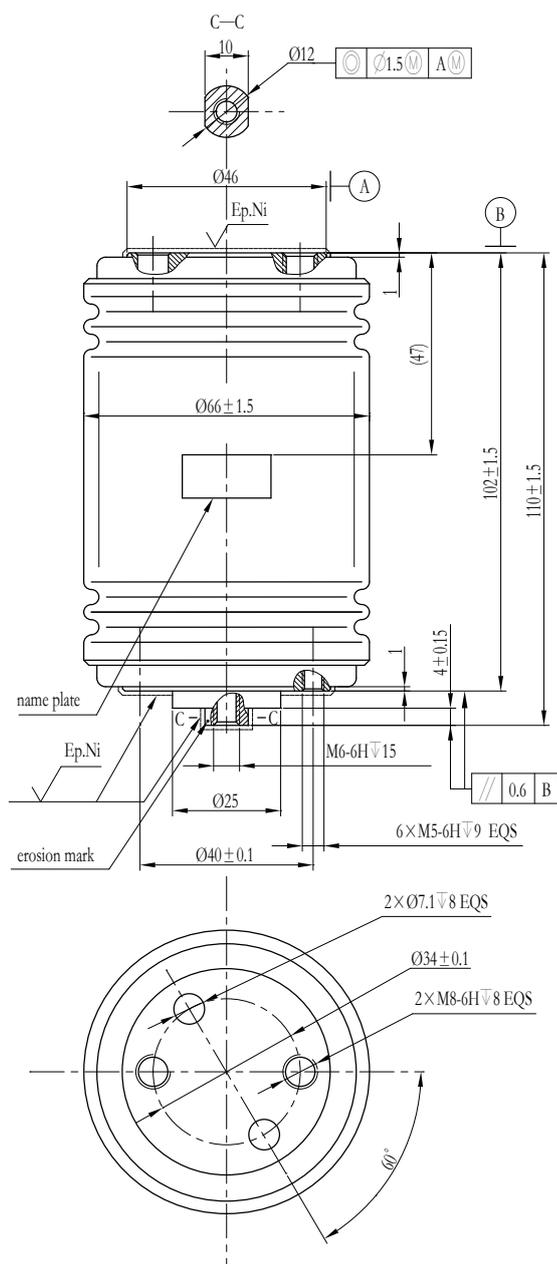


GTF-12/630-20



Main Technical Data		
Item	Unit	Value
Rated Voltage	kV	12
Lightning Impulse Withstand Voltage (Peak)	kV	—
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	6±1
Contact Closed Force Due to Bellows and Atmosphere	N	30±20
Counterforce of Contact at Full Stroke	N	90±20
Circuit Resistance at Min. Rated Contact Force	μΩ	≤550
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	650 ₀ ¹⁵⁰
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 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.