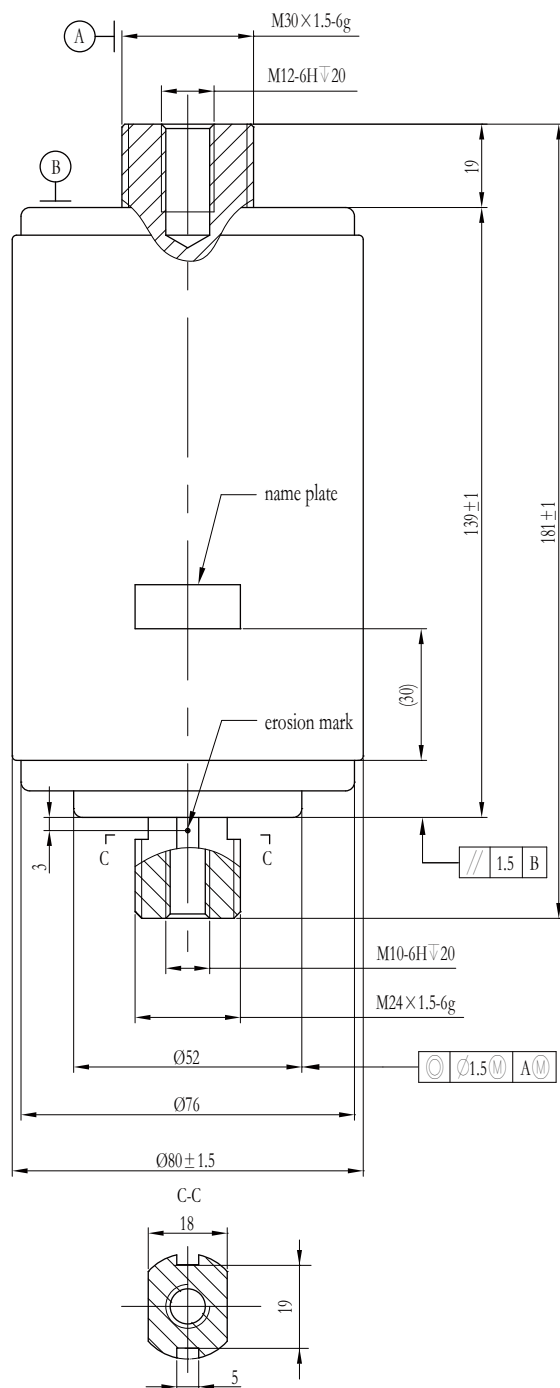


GTC-15/630-20



Main Technical Data		
Item	Unit	Value
Rated Voltage	kV	15
Lightning Impulse Withstand Voltage (Peak)	kV	100☆
Short-time (1min) Power-frequency Withstand Voltage	kV	38/50☆
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 Short-circuit Breaking Current	kA	20
Rated Operating Voltage	kV	15
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	9±1
Contact Closed Force Due to Bellows and Atmosphere	N	80±25
Counterforce of Contact at Full Stroke	N	140±30
Circuit Resistance at Min. Rated Contact Force	μΩ	≤25
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.6
Internal Gas Pressure	Pa	<1.33×10 ⁻³
Shelf Life	Years	20
Rated Operating Sequence :	O-t1-CO-t2-CO-t3-CO-Lockout	
Min. Rated Starting Current(error ≤ ±10%) :	Hydraulic Pressure Control: it is twice as large as the rated current of series coil. Electron Control: it is adjustable.	

Mechanical Data of Switch Equipped With Interrupter		
Item	Unit	Value
Average Opening Speed	m/s	1.1±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	1800 ⁺²⁰⁰ ₀
Contact Pressure at Contact Touch Point	N	1300 ⁺²⁰⁰ ₀
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: Meets or exceeds the electrical endurance requirements for autoreclosing duty per IEC 62271-100 ;

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 prevent from rotation when assembling. For more requirements please check the Instructions of Usage.