

主要技术参数 (MAIN TECHNICAL DATA)

Data	Unit	Value
Rated Voltage	kV	12
Lightning Impulse Withstand Voltage (Peak)	kV	75
1min Short-time (1min) Power-frequency Withstand Voltage	kV	38/42
Rate Frequency	Hz	50
Rated Current	A	630
Rated Short-time Withstand Current	kA	6.3
Rated Duration of Short-circuit	s	4
Min Rated Breaking Current	A	126
Max Rated Breaking Current	kA	5.04
Limit Breaking Current	kA	6.3
Rated Making Current	kA	6.3
Rated Operating Frequency	/h Operations/h	120
Short-time Operating Frequency	/h Operations/h	1200
Electrical Endurance	AC-3 Operations	250000
	AC-4 Operations	100000
Mechanical Endurance	Operations	300000
Clearance Between Open Contacts	mm	6±1
Contact Closed Force Due to Bellows and Atmosphere	N	75±20
Counterforce of Contact at Full Stroke	N	110±25
Circuit Resistance at Min Rated Contact Force	μ	50
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.4
Internal Gas Pressure	Pa	<1.33×10 ⁻³
Shelf Life	Year	20

配套的真空开关应满足的机械参数

MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS

Data	Unit	Value
Average Opening Speed	m/s	0.5±0.15
Average Closing Speed	m/s	0.25±0.1
Contact Bounce Duration at Closing Operation	ns	3
Out of Simultaneity of Contact Closing and Opening	ns	1
Rated Contact Pressure	N	90 ⁺²⁰ ₀
Max rebound of contact at opening Operation	mm	2
Overtravel during opening	mm	2

1 " " Note1: " " Within transformer oil or equivalent isolation medium

2 IEC60470 GB/T14808-2001

Note2 Meets or exceeds the electrical endurance requirements for IEC60470 and GB/T14808-2001.

3 30Nm

Note3 The movable stem of the VI could only suffering no more than 30Nm 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.

灭弧室的外形尺寸、安装尺寸应符合按规定程序审批的图样要求，见图1。

TJC-12/630D(2387)

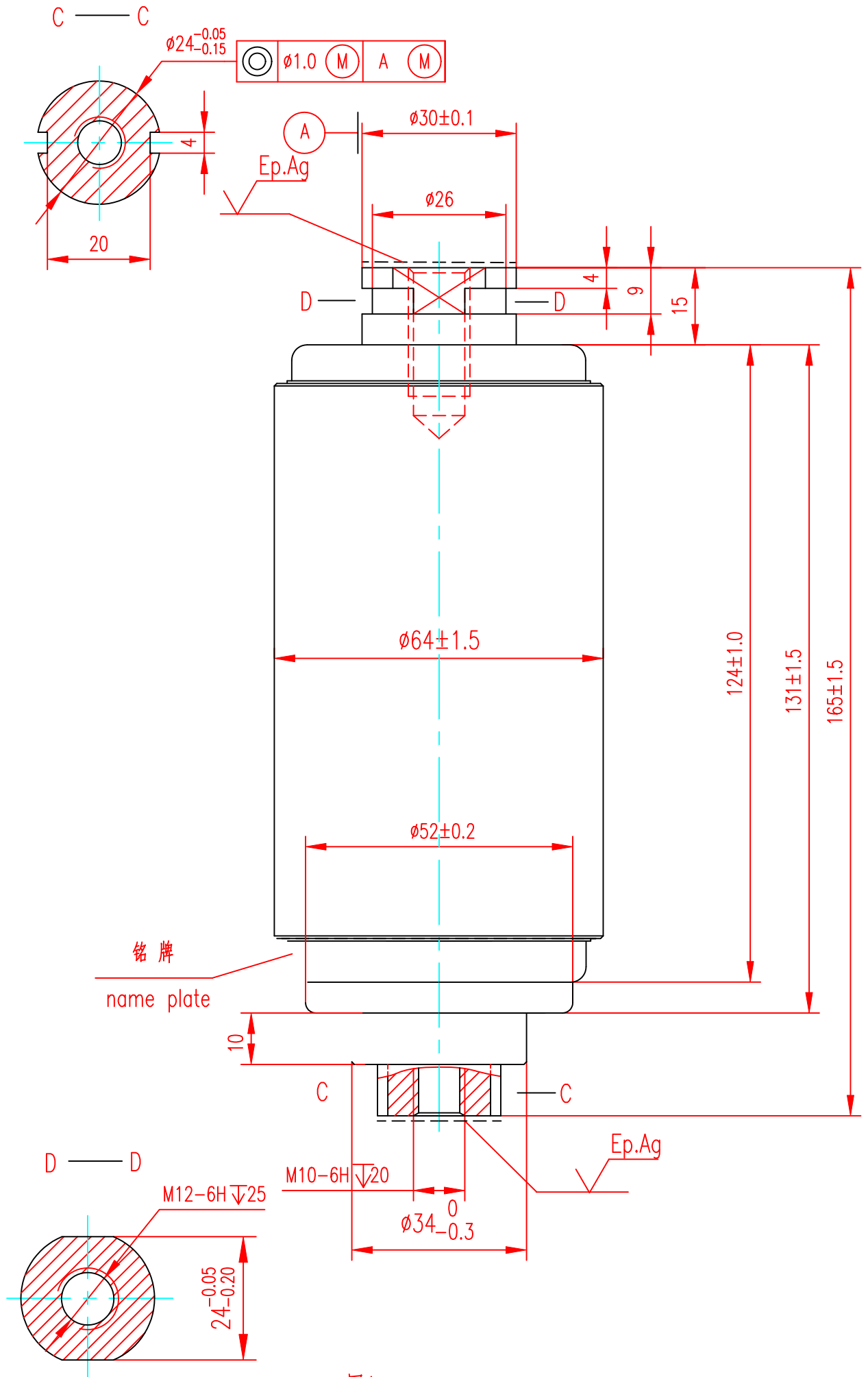


图1

旧底图总号	
底图总号	
日期	签字