

TD-12/630-20D1 (2269)型 断路器用真空灭弧室

CERAMIC VACUUM INTERRUPTER FOR CIRCUIT-BREAKER

Q/20258792-X•667—2004《3.6~40.5kV交流高压断路器用真空灭弧室》适用，并作如下补充：

主要技术参数 (MAIN TECHNICAL DATA)

Data	Unit	Value
Rated Voltage	kV	12
Lightning Impulse Withstand Voltage (Peak)	kV	75
Short-time (1min) Power-frequency Withstand Voltage	kV	42/48
Rate Frequency	Hz	50
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
Max. Dc component		50%
Switching Operations of Rated Short-circuit Breaking	Operations	30
Rated Single Capacitor Bank Breaking Current	A	400
Rated Back-to-back Capacitor Bank Breaking Current	A	400
Mechanical Endurance	Operations	10000
Clearance Between Open Contacts	mm	9± 1
Contact Closed Force Due to Bellows and Atmosphere	N	115± 30
Counterforce of Contact at Full Stroke	N	190± 30
Circuit Resistance at Min. Rated Contact Force	μ	25
Contact Limit Erosion	mm	3
Mass of Moving Parts	kg	0.6
Internal Gas Pressure	Pa	<1.33× 10 ⁻³
Shelf Life	Year	20
Rated Operating Sequence		- 0.3 - - 180 - O - 0.3s - CO - 180s - CO

配套的真空开关设备应满足的机械参数

MECHANICAL DATA OF VACUUM SWITCH EQUIPPED WITH THE INTERRUPTERS

Data	Unit	Value
Average Opening Speed first 6mm	m/s	1.1± 0.2
Average Closing Speed last 6mm	m/s	0.6± 0.2
Contact Bounce Duration at Closing Operation	ns	2
Out of Simultaneity of Contact Closing and Opening	ns	1
Rated Contact Pressure	N	1800 ⁺²⁰⁰ ₀
Contact Pressure at contact touch point		1300 ⁺²⁰⁰ 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 " " Note2 " " Rated characteristics to be given on request

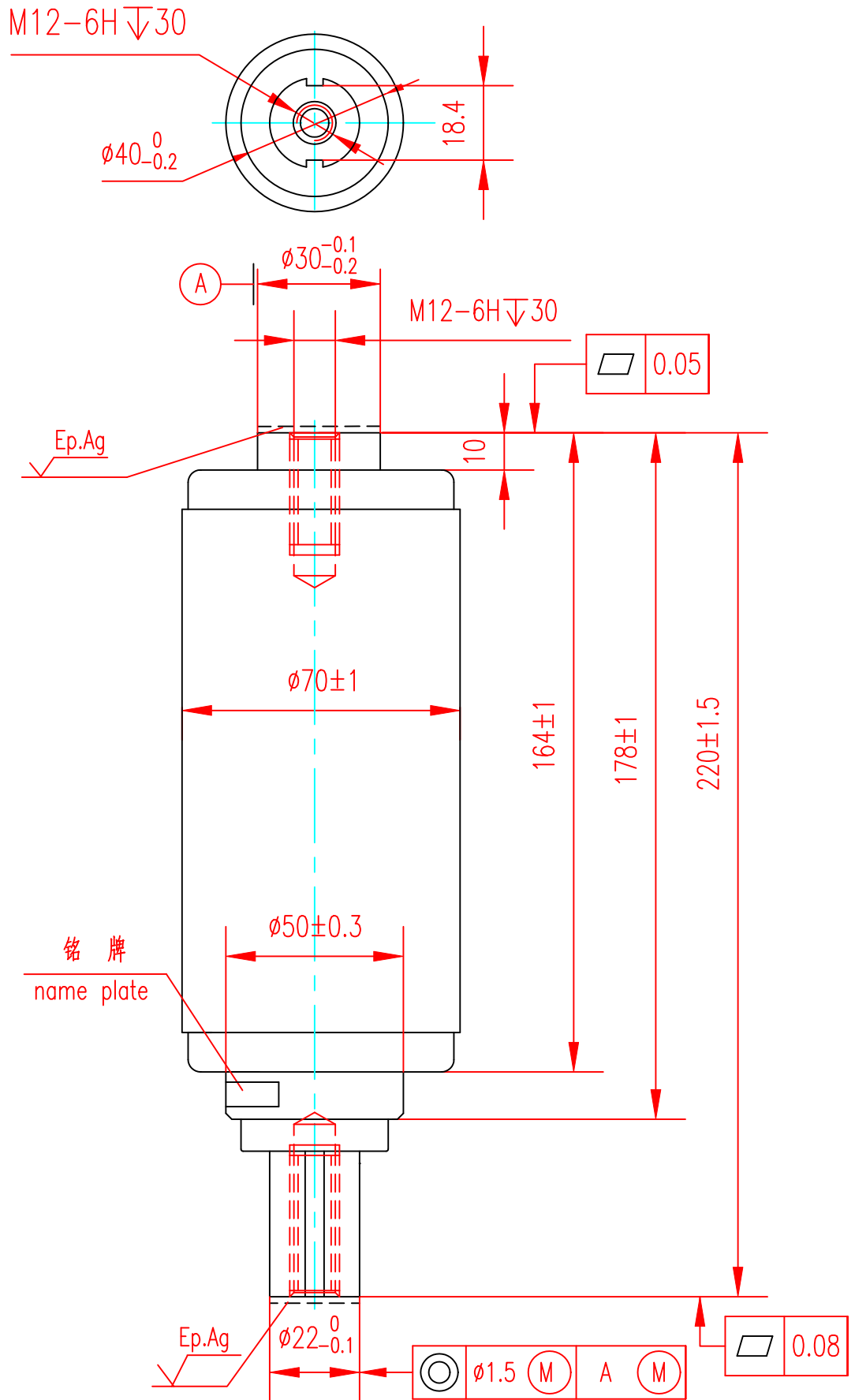
3 IEC62271-100 GB1984-2003 E2

Note3 Meets or exceeds the electrical endurance requirements of class E2 for autoreclosing duty per IEC 62271-100 and GB1984-2003

3 35Nm

Note3 The movable stem of the VI could only suffering no more than 35Nm 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。



TD-12/630-20D1 (2269)

铭 牌
name plate

图1

责任	签字
制图	
描图	
描校	
旧底图总号	
底图总号	
日期	签字