

TJC-12/630D 2387-G
CERAMIC VACUUM INTERRUPTER FOR CONTACTOR

Q/20258792-X · 669—2004 3.6 40.5kV

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	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

M Õ
Shelf Life

Year

		20
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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		ms	≤ 3
Out of Simultaneity of Contact Closing and Opening		ms	≤ 1
Rated Contact Pressure		N	90 ₀ ⁺²⁰
Max.rebound of contact at opening Operation		mm	2
Overtravel during opening		mm	≤ 2

1 IEC60470 GB/T14808-2001

Note1 Meets or exceeds the electrical endurance requirements for IEC60470 and GB/T14808-2001.

2 ≤ 30N.m

Note2: The movable stem of the VI could only suffering no more than 30N.m 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.

