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1. Introduction

HVJ6-7.2 series indoor high-voltage AC vacuum contactor has two types: One is Mechanical holding type, the other is Electromagnetic holding type. It is applicable for three-phase AC 50HZ power system of rated voltage 7.2KV and below and rated current up to 630 A to open and close circuit remotely and control electrical equipment like high-voltage motor, transformer and capacitive load. It is especially suitable for fields operated frequently. The contactor uses the international fashionable up and down structure arrangement and has the advantages of small, light, easy to maintain and form a complete set of F-C circuit equipment.

2. Service condition

a) Ambient air temperature: -25℃- +40℃.

b) Altitude not exceed 2000m

c) Humidity:

-Relative humidity: daily mean not higher than 95℃, monthly mean not higher than 90℃;

-Aqueous vapor pressure: daily mean not exceed 2.2 KP, monthly mean not exceed 1.8 KP

Ambient air should not be obviously polluted by corrosive or flammable gas or vapor;

C) Free of frequent severe vibration; When running, angle of inclination between installation surface and horizontal plane should not exceed 5℃.

Main technical parameters

Type	Rated voltage (V)		Rated current (Main circuit) (A)	Main contact parameter		Power frequency voltage resistance V (Effective value)		
	Main circuit	Control circuit		Contacts separation (mm)	Overtravel (mm)	Main circuit	Auxiliary circuit	Control circuit
HVJ6-7.2/200	7200	110, 220	200	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000
HVJ6-7.2/400	7200	110, 220	400	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000
HVJ6-7.2/630	7200	110, 220	630	$4.5^{+1}_{-0.5}$	1.5 ± 0.5	32000	2500	2000

Type	Making capability	Breaking capability	Limit breaking current (A)	Mechanical life times	Weight (KG)
HVJ6-7.2/200	10le, 100 times	8le, 25 times	10le	30×10^4	28
HVJ6-7.2/400	10le, 100 times	8le, 25 times	10le	30×10^4	28
HVJ6-7.2/630	10le, 100 times	8le, 25 times	10le	30×10^4	28

TIPS: 1, nut 2, insulation framework 3, arc-extinguish chamber 4, softconnect 5, insulator 6, contact spring 7, connecting level 8, adjusting nut 9, magnet yoke 10, screw 11, baseboard 12, limit bolts 13, Opening spring 14, Iron core 15, coil 16, armature 17, square shaft 18, cover 19, latched device 20, cover 21, Terminal block XT