

1. Product Description

The three-phase indoor controlling electrical equipment of HVCS-7.2 J /D series of vacuum contactor with A.C. high voltage (50/60 Hz, 7.2 KV) can be applied to the power system with rated voltage of 7.2 KV and voltage rank below, as well as operating current of up to 630A. It can control of and operate frequently on the high voltage electrical equipment.

Its contact holding method can be divided into two types:

- J type (mechanical holding)
- D type (electrical holding)

1.1 Environmental Condition

Normal service conditions of contactor:

- a. Ambient air temperature
 - upper limit: +40°C
 - lower limit: -25°C
- b. Height above sea level: ≤2000 m
- c. Humidity
 - relative humidity: daily mean value ≤95%, monthly mean value ≤90%
 - water vapor pressure: daily mean value ≤ 2.2×10^{-3} Pa, monthly mean value ≤ 1.8×10^{-3} Pa,
- d. The ambient air should not be polluted obviously by the corrosive or flammable gas and water vapor, etc.
- e. The slope angle between mounting plane and level surface should be less than or equal to 5° when the contactor is operating.



Note: When the normal service conditions mentioned above can not meet the use requirements, please consult with the manufacturer.

1.2 Rated Parameters (note: parameters in brackets apply to 200 A)

- a. Rated voltage: 7.2 KV
- b. Rated current: 630A / 400A / (200 A)
- c. Rated closed current (effective value): 6300A / 4000 A / (2000 A)
- d. Rated maximum breaking current: 5040A / 3200 A / (1600 A)
- e. Rated operating voltage: AC 110~120V / 220~240 V / 50/60Hz
- f. Pickup current of switch-on coil: ≤DC 6/3 A
- g. Holding current of holding coil: DC 0.32/0.16 A
- h. Release current of switch-off coil: DC 2.5/1.3 A
- i. Rated operating frequency: 300 times/h
- j. Mechanical life: 30×10^4 times
- k. Electrical life:
 - l. Under AC-3 condition: 25×10^4 times
 - m. Under AC-4 condition: 10×10^4 times