

1.Application & Feature

This series of vacuum contactor is mainly used for AC 50-60Hz, the main circuit rated voltage 2kV below, the rated current from 160A~1000A power network systems for remote making and breaking and frequent starting and control of AC motors, transformers and capacitor banks and other occasions.

This series of vacuum contactor conform to the GB14048.4 standard, to current international advanced level. The contactor with vacuum switch tube for arcing element, have no arcing, long life, without noise, small volume, safety, reliability, etc.

Advantages:good compatibility,stable and reliable performance,free maintenance and long service life.

2. The use of the environment conditions

2.1.Ambient temperature -25 °C~+40 °C.

2.2.Installation site altitude does not exceed 2000m.

2.3. The air relative humidity at the highest temperature of 40 + not more than 50%. Low temperature allows a higher relative humidity

3.Action performance

When the ambient air temperature is in -30 °C \sim +40 °C, contactor in the control power supply voltage for rating (US) the 85% to 110% range are should be able to reliable suction close, used in mine contactor, in control of the power supply voltage for rating(US) the 75% to 110% range are should be able to reliable suction together. Release the voltage should be not higher than the rated control power supply voltage (US) of 75%, in the ac rated frequency under the release voltage or should not be less than 20% of the US, the dc is not less than 10% of the US.

4. Operation and Maintenance

4.1.Please pick the bottom line before using ,then joint rated control voltage with this contactor power panel analysis the terminal(already left).

4.2. The contactor has been tuned, and test well, no need to adjust, can use directly.

4.3.For new vacuum switch tube, we can deck the vacuum by frequency pressure method, pressure up to 10 kV lasted 1 min, there shall be no breakdown, no flashover phenomenon. If not this condition can be used 5000v magneto-meter side switch pipe insulation resistance. A new vacuum switch pipe insulation resistance should be more than 100 m Ω . Long-term use of vacuum switch pipe insulation resistance should be more than 20 m Ω (test must ensure that vacuum switch tube looks clean, dry) 4.4. If have one of the following cases, we should check and adjust the vacuum contactor.

A.It's about six months since first time using :

B.Frequent operation place, operation 100000 times:

C.Find the vacuum switch tube contact open distance less than 1.5 mm, over travel is less than 0.5 mm:

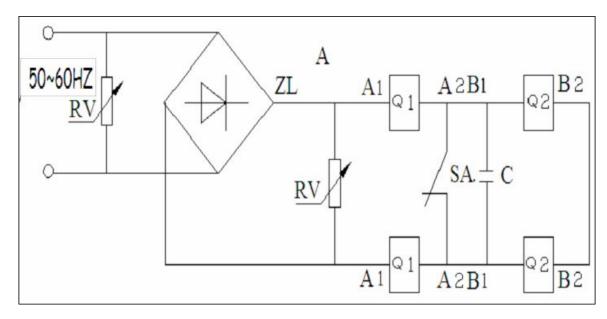
1-1



5.Technical Parameter

2
1000
8000
6000
8000
6 × 10 ⁵
10×10^4
10×10 ⁵
300
120
3±0.2
1±0.2

6.Secondary control circuit principle diagram

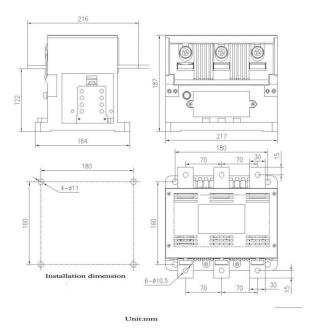


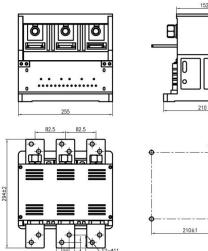
ZL: Rectifier Bridge SA: Auxiliary Switch RV: Voltage Dependent Resistor C: Absorption Capacitor Q1: Starting Coil Q2: Keeping Coil 1-2



Vacuum Contactors Low Voltage Vacuum Contactor

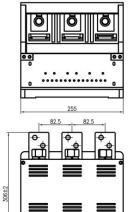
7.Product dimension drawing(Unit:mm)

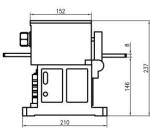


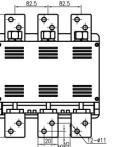


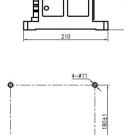
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GVC20-800A/2kV







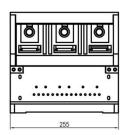


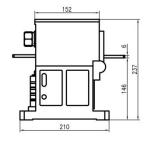
210±1

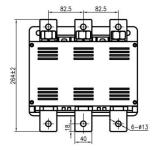
GVC20-1000A/2kV

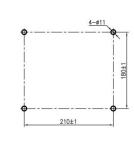
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GVC20-160A/250A/400A/2kV









GVC20-630A/2kV

http://www.greegoo.com



Vacuum Contactors Low Voltage Vacuum Contactor

