

BSTQY-11200F

High Voltage Contactor Series

1. Product Overview

- The main contacts are polarity.
- Using ceramic brazing sealing technology, the product has no risk of leakage.
- The product is filled with arc extinguishing gas inside, effectively cooling the arc and preventing contact oxidation.
- Complies with national military standards MIL-R-6106M[2009].

Note: The Z-direction is the contact point of the contactor, and the running direction of the armature is. Environment

2. Product Features

No	Item	Performance
1	Temperature range(°C)	-55~+85
2	Low atmospheric range(kPa)	4(22000m)
3	Relative humidity	5%~85%RH
4	Shock(m/s ²)	196
5	Acceleration (m/s ²)	147
6	Random Vibration (g ² /Hz)	10
7	Sin-Vibration	Acceleration (m/s ²)
		Frequency (Hz)
		98
		10~2000

3. Product Specifications

Contact type	1H		Nominal load of contacts and life	Resistive, 200A, 750Vd.c., 1×10 ³ Resistive, 200A, 450Vd.c., 3×10 ³ Resistive, 200A, 270Vd.c., 1×10 ⁴ Resistive, 200A, 28Vd.c., 1.5×10 ⁴
Coil consumption(W)	Start power consumption	≤ 55		
	Maintain power consumption	≤ 3		
Contact resistance (mΩ)(Test conditions 6Vdc, 20A)	Under normal condition	≤ 10		
	Under high temperature and high humidity and after life test	≤ 15		
Insulation resis- tance(MΩ) T e s t v oltag e :5 0 0 Vd.c.	Under normal condition	≥ 1000	Short term overload currents	Resistive: 400A, 750Vd.c., 50 times (ordinary temperature)
	Under high temperature and high humidity and after life test	≥ 50		
Dielectri c withstanding voltage Vr.m.s (50Hz)	Under normal condition	2500		
	Under low atmospheric	2200		
Action time (ms)	≤ 30		Weigh (g)	≤ 335g
Release time (ms)	≤ 10			

4. Coil Characteristics

Code	Coil voltage (Vd.c.)	Pull-in voltage (Vd.c. max)		Drop-out voltage (Vd.c. min)		Maximun surge current (A)	Maximun surge time (ms)
		25°C	All temperature range	25°C	All temperature range		
A	9~36VDC	≤ 9.0	≤ 10.0	≥ 5.5	≥ 4.5	3.8	130

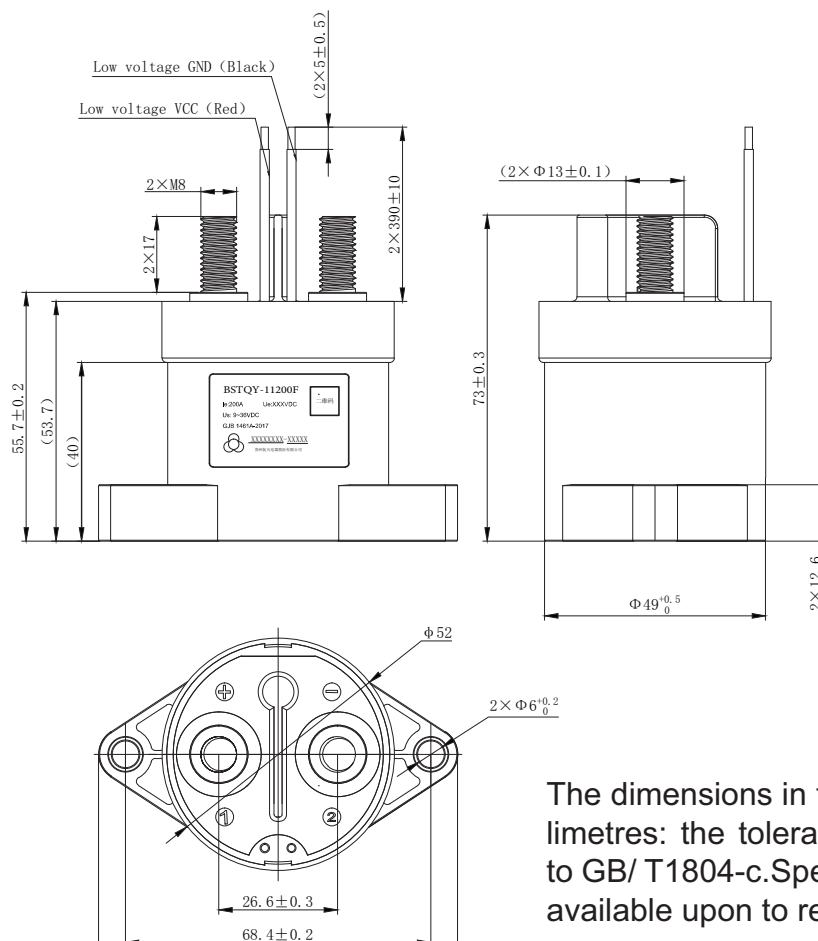
5. Product Ordering information

BSTQ Y- 1 1 200 F / 750 - A H L 6- □

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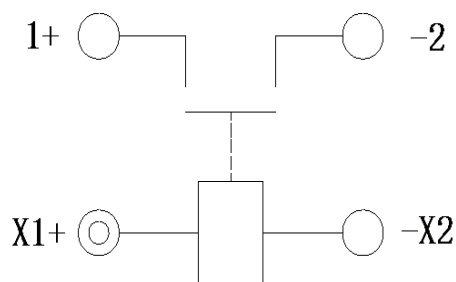
- ① Nominal code: BSTQ- High-power;
- ② Product shape: Y-Circle;
- ③ Number of main contacts: 1-1set;
- ④ Coil type: 1- Transient suppression;
- ⑤ Load current: 200-200A;
- ⑥ Protective feature: F- Closed construction;
- ⑦ Load voltage: 110- 110Vd.c.; 270- 270Vd.c.; 450- 450Vd.c.; 750- 750Vd.c.;
- ⑧ Specifications (Coil voltage): A-9 ~ 36Vd.c.;
- ⑨ Contact type: H- Normally open;
- ⑩ The form of termina: L- Connection of coil leads;
- ⑪ Main contact installation: 6- External thread;
- ⑫ Retrofit (Customized design).

6. Mounting types



The dimensions in the figure are in millimetres: the tolerance not noted refer to GB/ T1804-c. Special installation way available upon to request.

7. Bottom View



The coil and the load have polarity