

BSTQ-11200FA

High Voltage Contactor Series

1. Product Overview

- A set of main contacts, 2 Group Conversion Auxiliary contact.
- The main contacts are non-polarity, Coil transient suppression.
- 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.
- With a long time 200A current carrying capacity.
- Widely use to transfer signal and lines in aerospace, aviation, and other fields. Qualified or in accordance with MIL-R-6106M[2009].

2. Environment Characteristics

No	Item	Performance
1	Temperature range(°C)	-55 ~ +85
2	Low atmospheric range (kPa)	4.39 (20000m)
3	Relative humidity	5% ~ 85%RH
4	Shock (m/s ²)	196, 11ms
5	Acceleration (m/s ²)	196
6	Random Vibration (g ² /Hz)	0.15
7	Sin-Vibration	10Hz ~ 2000Hz, 20 g

3. Product Specifications

Contact type	Main contact	1H	Electrical life	Main contact	Resistive, 200A, 270Vd.c., 20000 Resistive, 200A, 450Vd.c., 6000	
	Auxiliary contact	1Z				
Coil consumption(W)	Start power consumption	≤ 80				
	Hold consumption	≤ 8.5				
Con tactresis- tance(mΩ)	Main contact	≤ 10				
	Auxiliary contact	≤ 50				
Insulation resistance (MΩ) Test voltage:500 Vd.c.	Under normal condition	≥ 1000		Auxiliary contact	Resistive, 5A, 28Vd.c., 20000 times	
	Under high temperature and high humidity and after life test	≥ 10				
Dielectric withstanding voltage Vr.m.s (50Hz)	Under normal condition	2000	Short term overload currents			Resistive: 400A, 270Vd.c., 1min
	Under low atmospheric	400				
Operating time(ms)	≤ 25		Weigh (g)	≤ 470		
Releasing time(ms)	≤ 20					

4. Coil Characteristics

Code	Coil voltage (V)		25±1°C				All temperature range	
	Nominal	Maximum	Coil current (A)		Opera voltage (Vd.c. max)	Relea voltage (Vd.c. max)	Opera voltage (Vd.c. max)	Relea voltage (Vd.c. max)
			Hold	Inrush				
28	28	32	0.3	3	18	2	22	2

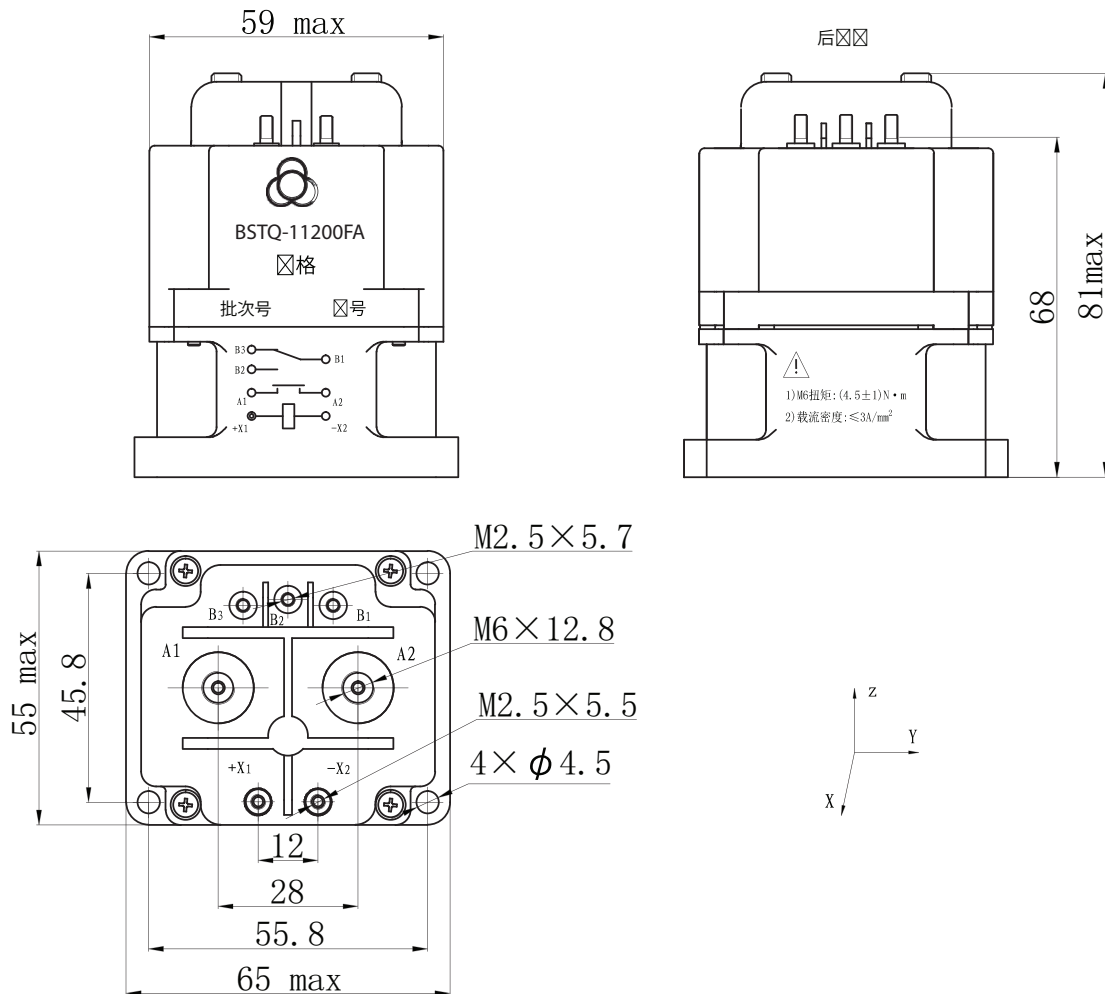
5. Product Ordering information

BSTQ-11200FA / 270 - 28 H 1Z Z W Z 6 K

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

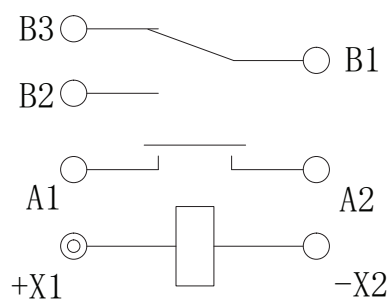
- ① Product model ;
- ② Rated load: 270—270VD.c. ;
- ③ Coil nominal voltage: 28—28Vd.c. ;
- ④ Main contact way: H—Normally open Main contact ;
- ⑤ Auxiliary contact way: 1Z—1 Group Conversion Auxiliary contact ;
- ⑥ Main contact polarity: W—non-polarity ;
- ⑦ Form of the coil terminal: Z—External thread ;
- ⑧ Form of the main contact terminal: 6—External thread ;
- ⑨ Installation way: K—4 mounting holes.

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.