

BSTQ-1020FB

High Voltage Contactor

1. Product Overview

- A set of main contacts.
- The main contacts are non-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.
- With a long time 20 A 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. Product Features

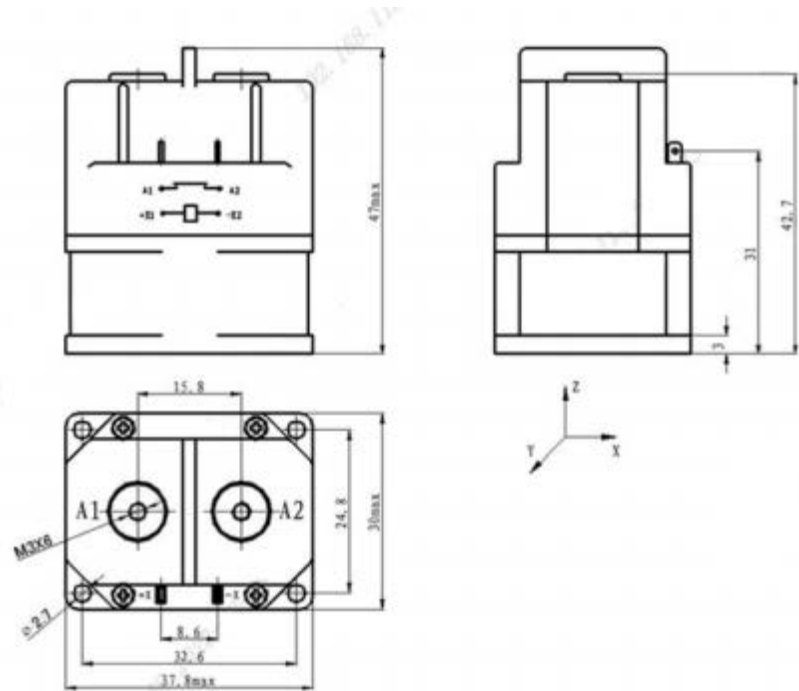
No	Item	Performance
1	Temperature range (°C)	-55 ~ +85
2	Relative humidity(kPa)	4.39 (20000m)
3	Low atmospheric range	5% ~ 85%RH
4	Shock (m/s ²)	147,11ms
5	Acceleration (m/s ²)	196
6	Random Vibration (g ² /Hz)	0.125
7	Sin-Vibration	10Hz ~ 2000Hz, 20 g

3. Product Specifications

Contact type	1H		Nominal load of contacts and life	Resistive, 20A, 270Vd.c., 10000 Resistive, 20A, 450Vd.c., 5000 Resistive, 20A, 750Vd.c., 1000
Coil consumption(W)	≤ 4.5			
Contact resistance(mΩ)	≤ 10			
Insulation resistance (MΩ)	Under normal condition	≥ 1000	Short term overload currents	Resistive,50A, 270Vd.c., 1min
	Under high temperature and high humidity and after life test	≥ 10		
Dielectric withstanding voltage Vr.m.s. (50Hz)	Under normal condition	2500		
	Under low atmospheric	300		
Operating time (ms)	≤ 30		Weigh (g)	≤ 130
Releasing time (ms)	≤ 20			

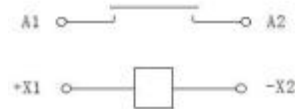
Code	Coil voltage (V)		25±1°C			All temperature range	
	Nominal	Maximum	Coil resistance (1+10%) Ω	Maximun operating voltage (Vd.c. max)	Minimun release voltage (Vd.c. max)	Maximun operating voltage (Vd.c. max)	Minimun release voltage (Vd.c. max)
28	28	32	202	18	2	22	2

4. 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.

5. Bottom View



The coil have polarity, the load are non-polarity

6. Order Information

BSTQ-1020FB / 270 - 28 H W P 5 K
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- 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 Main contact polarity: W—non-polarity;
- ⑥ Form of the coil terminal: p—Welding coil lead out terminal;
- ⑦ Form of the main contact terminal: 5—Internal thread;
- ⑧ Installation way: K-4 mounting holes.