

BSTQ-1050F

High Voltage Contactor Series

1. Product Overview

- The main contacts are nonpolarity.
- 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.

2. Product Specifications

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	Sin-Vibration	98
		10~2000

3. Technical Characteristics

Contact type	1H		Nominal loadof contacts and life	Resistive, 50A, 750Vd.c., 1×103 times Resistive, 50A, 450Vd.c., 5×103 times Resistive, 50A, 270Vd.c., 3×104 times
Coil consumption(W)	≤ 3.2			
Contact resistance (mΩ) (Test conditions 6Vdc, 20A)	Under normal condition	≤ 10		
	Under high temperature and high humidity and after life test	≤ 15		
Insulation resistance (MΩ)	Under normal condition	≥ 1000	Shortterm overloadcur-rents	Resistive: 75 A, 270 Vd.c., 50 times ordinary temperature)
	Under high temperature and high humidity and after life test	≥ 50		
Dielectric withstand-ing voltage Vr.m.s (50Hz)	Under normal condition	2500	Utmost current	Resistive: 200 A, 270 Vd.c., 10 times (ordinary temperature)
	Under low atmospheric	2200		
Action time (ms)	≤ 30		Weigh(g)	≤ 180g
Release time (ms)	≤ 10			

4. Coil Characteristics

Code	Coil voltage (Vd.c.)		25°C (Vd.c.)		All temperature range (Vd.c.)		Coil resistance Ω±10%
	Rated voltage	Maximum voltage	Operating voltage (max)	Release voltage (min)	Operating voltage (max)	Release voltage (min)	
024	24.0	27.0	18.0	2.0	21.0	1.2	195

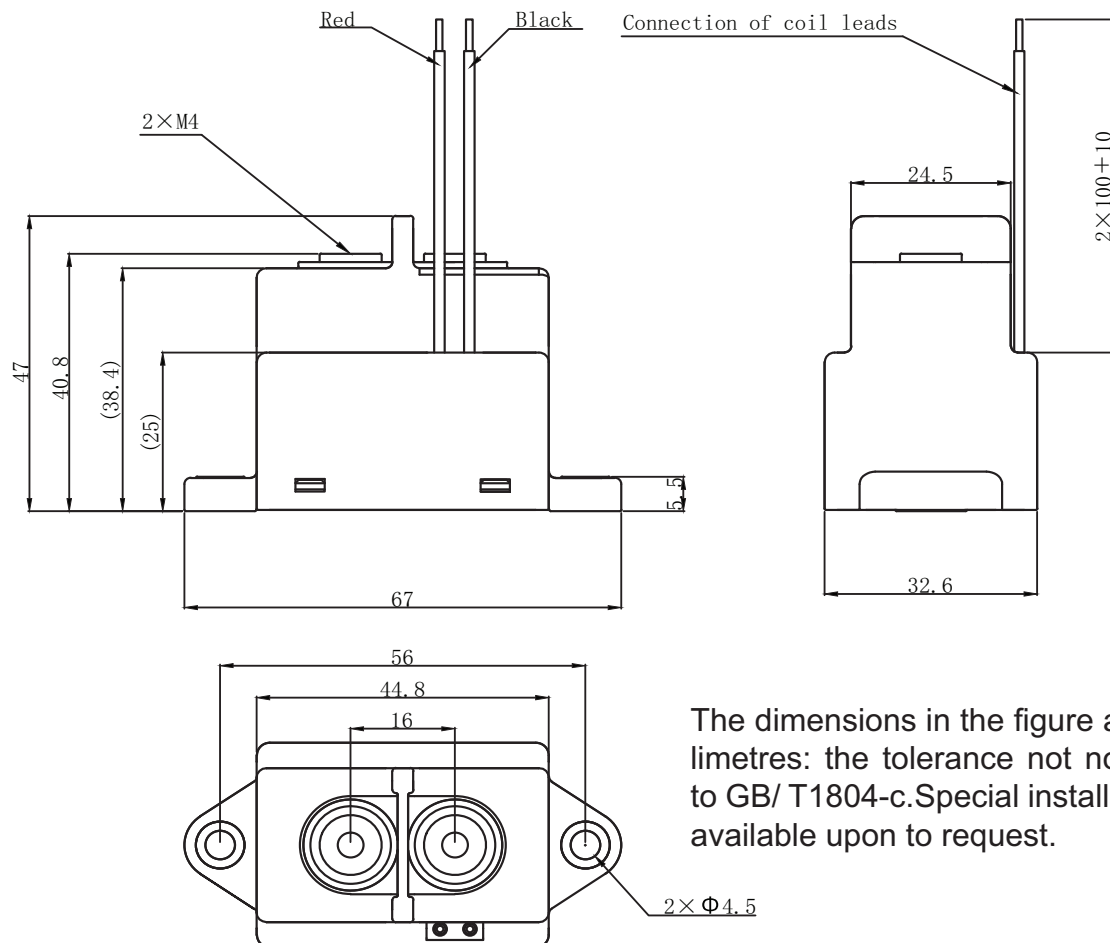
5. Order Information

BSTQ- 1 0 50 F / 750 - 28 H L 5 - ®

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ®

- ① Nominal code: BSTQ- High-power;
- ② Number of main contacts: 1-1set;
- ③ Coil type: 0- No transient suppression;
- ④ Load current: 50-50A;
- ⑤ Protective feature: F-Closed construction;
- ⑥ Load voltage: 270-270Vd.c. ; 450-450Vd.c.; 750-750Vd.c.;
- ⑦ Specifications(Coil voltage): 28-28Vd.c.;
- ⑧ Contact type: H-Normally open;
- ⑨ The form of termina: L-Connection of coil leads;
- ⑩ Main contact installation: 5- Internal thread; ®Retrofit(Customized design).

6. Mounting types



7. Bottom View

