

BSTRC-089M

Series Electromagnetic Rely

1. Product Overview

This product is particularly small in size and high insensitivity, it has excellent electrical properties and environmental indicators, so it is very suitable for high-density installation of PCB boards. The product can be used for signal and line switching in the aviation, aerospace and other industries. Adopted military standard: MIL-R-5757.

2. Product Features

No.	Item	Performance
1	Contact type	2Z
2	Weigh	≤ 3g
3	Leakage rate	≤ 1×10 ⁻¹ Pa·cm ³ /s

3. Environment Characteristics

No.	Item		Performance		
1	Environment grade		I	II	III
2	Temperature range(°C)		-55~+85	-65~+125	
3	Humidity		+40°C up 95%		
4	Low atmospheric range(kPa)		1.06	0.27~0.013	
5	Vibration	Acceleration(m/s²)	10~2000	10~2000	10~3000
		Pulse lasting time(ms)	150	200	300
6	Shock	Frequency range(Hz)	500	750	1000
		Acceleration root-mean-square values (m/s²)	11	6	6
7	Acceleration (m/s²)		500	750	
8	Random Vibration((m/s²)²/Hz)		20	30	

4. Product Specifications

No.	Item	Performance
1	Coil consumption(W)	≤ 0.5
2	Contact resistance(Ω)	Initial Value
		After life
3	Operating time(ms)	≤ 4
4	Releasing time(ms)	≤ 4
5	Insulation resistance(MΩ) Test voltage:500V(1±10)d.c.	Under normal condition
		Under high temperature and high humidity and afterlife
6	Dielectric withstanding voltage Vr.m.s(50Hz)	Under normal condition
		Under low atmospheric
7	Contact load	Resistive: High level:1A,28Vd.c. Low level:10~50μA 10~50mVd.c.
8	Life	1×10 ⁵

5. Coil Characteristics

No.	Coil voltage		25°C			All temperature range	
	Nominal (Vd.c.)	Maximum (Vd.c.)	Coil Resistance (1±10%)Ω	Maximum operating voltage (Vd.c.)	Maximum release voltage (Vd.c.)	Maximum operating voltage (Vd.c.)	Minimum drop out voltage (Vd.c.)
005	5	7	84	3.2	0.25	4.5	0.15
006	6	8	84	3.2	0.25	4.5	0.15
012	12	16	340	6.4	0.60	9.0	0.36
015	15	20	520	8.0	0.75	11.0	0.45
018	18	24	750	9.5	0.90	13.0	0.54
024	24	32	1340	13.0	1.20	18.0	0.72
027	27	35	1700	13.5	1.50	19.0	0.90

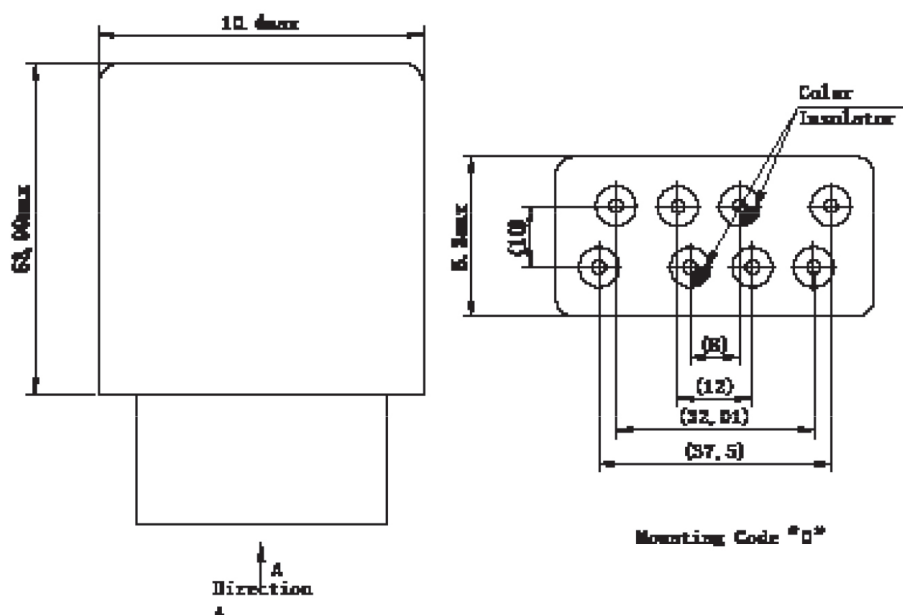
Special coil types available upon to request

6. Product Ordering information

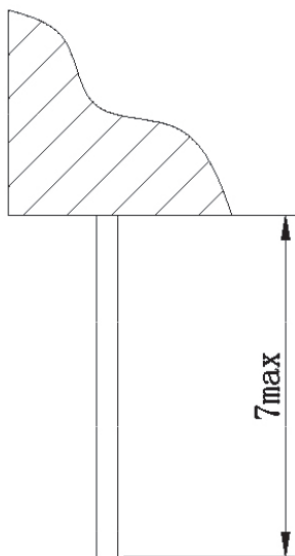
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 ① ② ③ ④ ⑤

- ① Basic series
- ② Coil voltage
- ③ Mounting style
- ④ Terminal type
- ⑤ Environmental grade

7. Mounting types



8. Terminal types



Pin Form: 2

Terminal Lead Type

9. Bottom View

