

BSTRC-023M

Series Electromagnetic Rely

1. Product Overview

This product is 1/2 grid space and DIP relay, whose Dimension, mounting forms and terminals type accords With national military standard and foreign military relay Standard. this product applies for the aerial fields and Spaceflight as signal transmission and circuit switch.

Adopted military standard: MIL-R-5757

2. Product Features

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

3. Environment Characteristics

No.	Item	Performance
1	Environment grade	B A
2	Temperature range(°C)	-55~+85(-45~+150)
3	Humidity	+40°C up 95%
4	Low atmospheric range(kPa)	1
5	Vibration	Acceleration(m/s ²)
		10~500 10~2000
6	Shock	Pulse lasting time(ms)
		100 150
		Frequency range(Hz)
7	Acceleration root-mean-square values (m/s ²)	500 750
		11 6
8	Acceleration (m/s ²)	500(250)
9	Random Vibration((m/s ²) ² /Hz)	20

4. Product Specifications

No.	Item		Performance
1	Coil consumption(W)		≤ 0.9(0.8)
2	Contact resistance(Ω)	Initial Value	≤ 0.05
		After life	≤ 0.2
3	Operating time(ms)		≤ 8
4	Releasing time(ms)		≤ 4
5	Insulation resistance(MΩ) Test voltage:500V(1±10)d.c.	Under normal condition	≥ 500
		Under high temperature and high humidity and afterlife	≥ 100
6	Dielectric withstanding voltage Vr.m.s(50Hz)	Under normal condition	500
		Under low atmospheric	200
7	Contact load	Resistive: High level:2A,28Vd.c. 1A,28Vd.c. Low level:10~50μA 10~50mVd.c.	
8	Life	High level:2A:2×10 ⁴ 1A:1×10 ⁵ Low level:1×10 ⁵	

5. Coil Characteristics

No.	Coil voltage		25°C			Full temperature range	
	Nominal (Vd.c.)	Max (Vd.c.)	Coil Resistance (1±10%)Ω	Operating voltage Max (Vd.c.)	Release voltage Min (Vd.c.)	Operating voltage Max (Vd.c.)	Drop out voltage Min (Vd.c.)
006	6	7.5	40	3.8(3.2)	0.5(0.6)	5(5.2)	0.33(0.25)
012	12	14	170(180)	7.1(7)	1(1.2)	10(10.5)	0.7(0.5)
018	18	21	380	10.7	1.3	15	0.9
024	24	28	680	14.4	1.8	19.5	1.3
027	27	32	850(1000)	16(14.5)	2(2.5)	23(24)	1.5(1.2)
048	(48)	(57)	(3000)	(28)	4.8	(42)	(3.4)

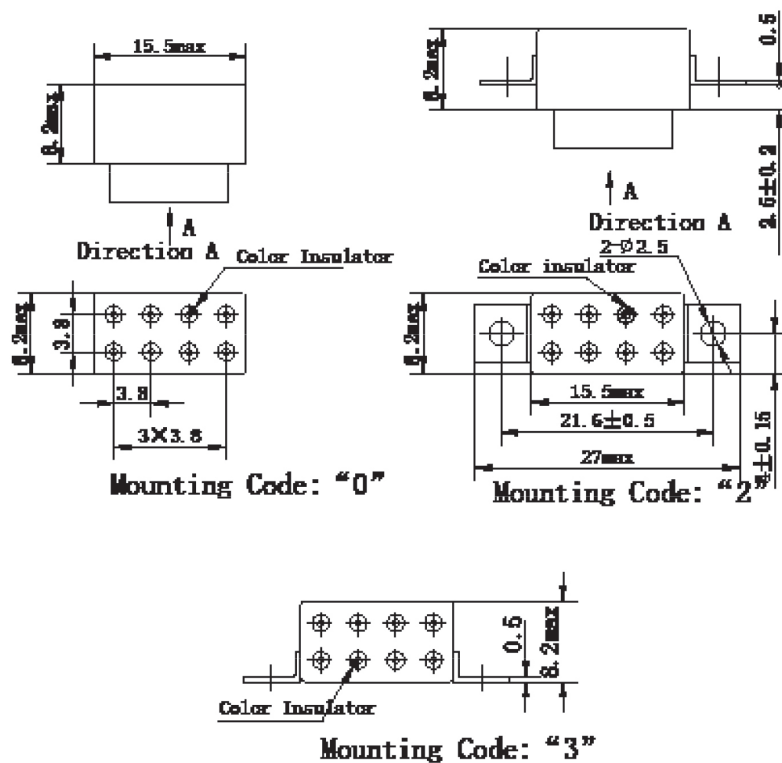
Special coil types available upon to request

6. Product Ordering information

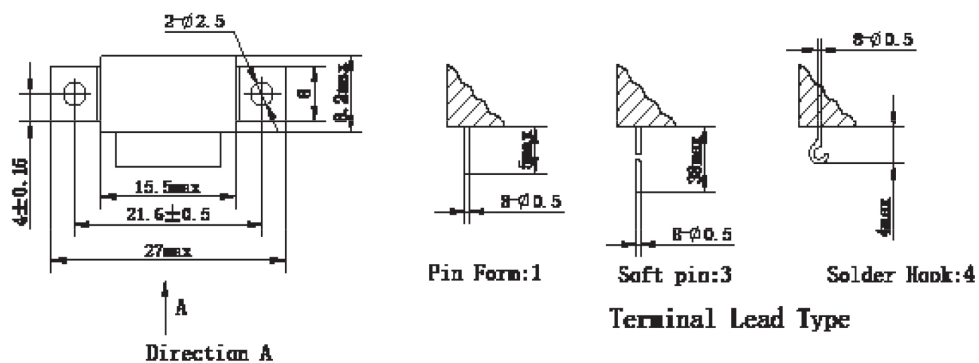
BSTRC-023M / 027 - 01 - II
 ① ② ③④ ⑤

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

7. Mounting types



8. Terminal types



9. Bottom View

