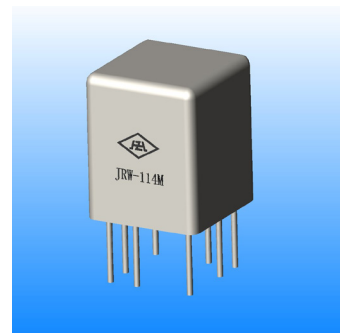


Product introduction

The product is a sensitive electromagnetism relay with small size. 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



General Characteristics

No.	Item	Performance
1	Cpmtact type	2Z
2	Weigh	$\leq 5\text{g}$
3	Leakage rate	$\leq 1 \times 10^{-1} \text{Pa} \cdot \text{cm}^3/\text{s}$

Environment Characteristics

No.	Item		Performance	
1	Environment grade		I	II
2	Temperature range($^{\circ}\text{C}$)		$-55 \sim +85$	
3	Humidity		$+40^{\circ}\text{C}$ up 98%	
4	Low atmospheric range(kPa)		1	0.27~0.013
5	Vibration	Acceleration(m/s^2)	10~2000	10~2000
		Pulse lasting time(ms)	150	200
6	Shock	Frequency range(Hz)	500	750
		Acceleration root-mean-square values (m/s^2)	6	6
7	Acceleration (m/s^2)		500	500
8	Random Vibration($(\text{m/s}^2)^2/\text{Hz}$)		20	



JRW-114M Series Electromagnetic Relay

Specifications

No.	Item		Performance
1	Coil consumption(W)		0.08~0.3
2	Contact resistance(Ω)	Initial Value	≤ 0.1
		After life	≤ 0.15
3	Operating time(ms)		≤ 5
4	Releasing time(ms)		≤ 5
5	Insulation resistance(M Ω) Test voltage: 500V(1 $\pm$ 10)d.c.	Under normal condition	≥ 500
		Under high temperature and high humidity and after life	≥ 10
6	Dielectric withstanding voltage Vr.m.s(50Hz)	Under normal condition	250
		Under low atmospheric	100
7	Contact load	Resistive: High level:1A,28Vd.c. 0.5A,28Vd.c. Low level:10~50 μ A 10~50mVd.c.	
8	Life	High level:1A:2 $\times 10^4$ 0.5A:1 $\times 10^5$ Low level:1 $\times 10^5$	

Coil Characteristics

No.	Coil voltage		25 $^{\circ}$ C			Full temperature range	
	Nominal (Vd.c.)	Max (Vd.c.)	Coil Resistance (1 $\pm$ 10%) Ω	operating voltage Max(Vd.c.)	release voltage Min(Vd.c.)	operating voltage Max(Vd.c.)	drop out voltage Min(Vd.c.)
003	3	4	100	2.1	0.18	2.7	0.10
005	5	6	300	3.5	0.3	4.4	0.15
006	6	8	300	4.0	0.6	5.0	0.18
009	9	11	600	6.0	0.54	7.5	0.27
012	12	14	1100	7.8	0.72	9.7	0.36
015	15	17	1700	9.8	0.9	12.2	0.45
018	18	20	1700	11.7	1.1	14.5	0.55
020	20	22	2900	13.0	1.2	16.1	0.60

◆ Special coil types available upon to request ◆

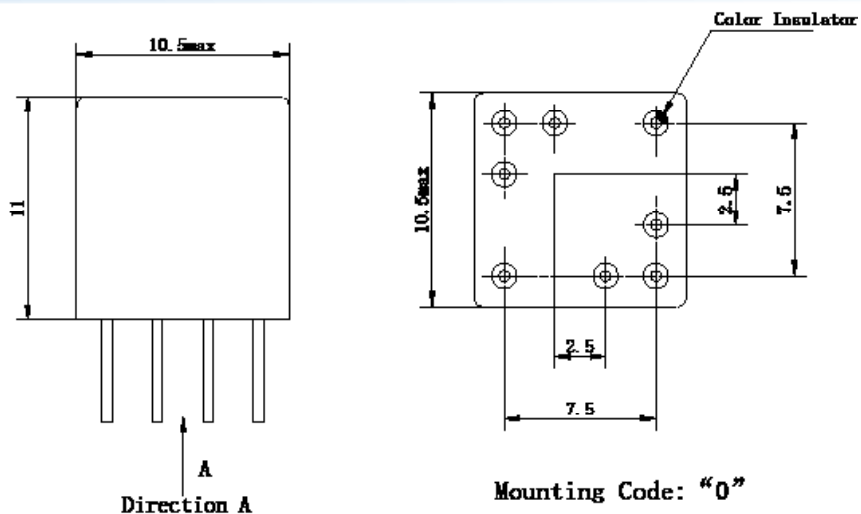
Order information

JRW-114M / 028 - 0 1 - II

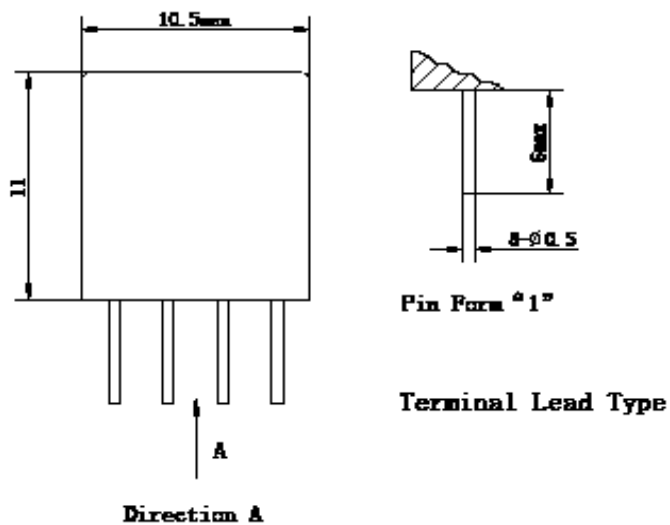
① ② ③ ④ ⑤

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

Mounting types



Terminal types





JRW-114M Series Electromagnetic Relay

Bottom View

