

Main Feature

1. Smaller size compared to RW series , but with 25A of inrush current.
2. Application for automotive electrical systems.
3. JM-2P is consisted of 2 pieces of JM-1P and capsulated by one cover and the location of terminals are distributed for easy pattern design on N.O. and N.C. contact terminal.
4. Plastic sealed type are available.

Application

Car Control Switching Box (Alarm System, Automatic Door Locking System....), Car Flashers.... etc.

Contact Rating

- Nominal Load(Resistive Load)
Contact Capacity
JM-1P 10A at 14VDC.
20A at 14VDC, (Motor load),
operating frequency,
0.5s ON,9.5s OFF
JM-2P(for each Pole) ..10A at 14VDC.
20A at 14VDC, (Motor load),
operating frequency,
0.5s ON,9.5s OFF
- Max. Allowable Current 25A.
Max. Allowable Voltage 16VDC.
Max. Allowable Power Force 400W.
Min. Switching Load DC 5V, 10mA.
- Contact Material Ag Alloy.
- Contact Form..... SPDT & SPST
DPST & DPDT

Performance (at Initial Value)

- Contact Resistance 100 mΩ Max. @1A,6VDC
- Operate Time..... 10 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength :
Between Coil & Contact 500VAC at 50/60 Hz
For one minute.
Between Contacts 500VAC at 50/60 Hz
for one minute.
- Surge Resistance 1,500V (between coil
& contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at
500VDC

- Max. On/Off Switching :
Electrical30 Ops per Minute.
Mechanical.....300 Ops per Minute.
- Temperature Range-40~85°C
- Humidity Range45~85% RH.
- Coil Temperature Rise70°C Max.
- Vibration :
Endurance..... 10 to 55 Hz dual
amplitude width
1.5mm.
Error Operation 10 to 55 Hz dual
amplitude width
1.5mm.
- Shock :
Endurance1,000 m/S² Min.
Error Operation 100 m/S² Min.
- Life Expectancy :
Mechanical10⁷ Operations at No
load condition.
Electrical10⁵ Operations at Rated
Resistive Load.
- Weight.....About 5.2 g for 1P.
About 10.2 g for 2P.

Safety Standard & Its File Number

- NIL

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
JM-D	6	133	45	Abt. 0.8	60% Maximum	5% Minimum	150% but for short time carrying current
	9	90	100				
	10	74	135				
	12	66.7	180				
JM-L	24	33.3	720	Abt. 0.6			
	6	100	60				
	9	66.7	135				
	10	55.6	180				
	12	50	240				

Ordering Information

JM - SS - 1 12 D M

Contact Form:

Nil: One Form C
M: One Form A
B: One Form B

Coil Type:

D: Standard DC Coil
L: High Sensitivity DC Coil

Coil Voltage:

06: 6V, 09: 9V, 10: 10V, 12: 12V, 24: 24V

Number of Pole:

1: One Pole
2: Two Pole

Type of Sealing:

SS: Flow Solder Type
SH: Plastic Sealed Type

Type:

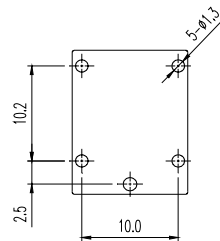
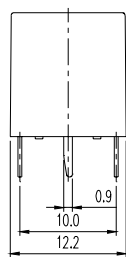
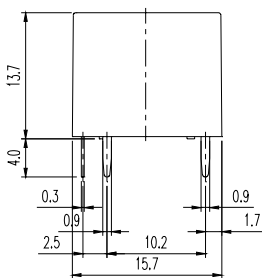
JM

Classification

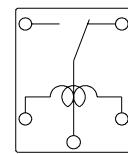
Model	JM											
Coil Sensitivity	Standard DC Coil				High Sensitivity DC Coil							
Number of Pole	1 Pole		2 Poles		1 Pole		2 Poles					
Contact Form	1C	1A	1B	2C	2A	2B	1C	1A	1B	2C	2A	2B
Flow Solder Type	1C : JM-SS-1□□D		2C : JM-SS-2□□D		1C : JM-SS-1□□L		2C : JM-SS-2□□L					
	1A : JM-SS-1□□DM		2A : JM-SS-2□□DM		1A : JM-SS-1□□LM		2A : JM-SS-2□□LM					
	1B : JM-SS-1□□DB		2B : JM-SS-2□□DB		1B : JM-SS-1□□LB		2B : JM-SS-2□□LB					
Plastic Sealed Type	1C : JM-SH-1□□D		2C : JM-SH-2□□D		1C : JM-SH-1□□L		2C : JM-SH-2□□L					
	1A : JM-SH-1□□DM		2A : JM-SH-2□□DM		1A : JM-SH-1□□LM		2A : JM-SH-2□□LM					
	1B : JM-SH-1□□DB		2B : JM-SH-2□□DB		1B : JM-SH-1□□LB		2B : JM-SH-2□□LB					

Dimension

JM-SS/SH-1

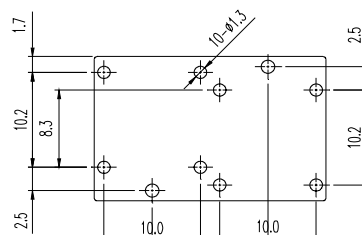
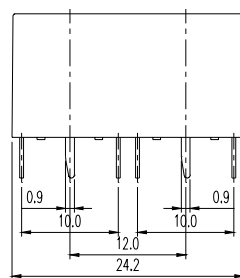
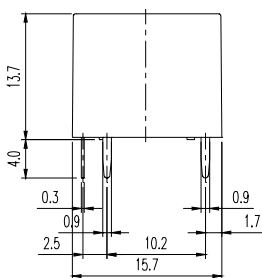


BOTTOM VIEW

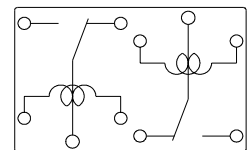


BOTTOM VIEW

JM-SS/SH-2



BOTTOM VIEW



BOTTOM VIEW