

MAIN FEATURE

1. Smaller size with the capability of 25A inrush current.
2. Applicable for automotive electrical systems.
3. Resistance to environment with shock and vibration.
4. Comply with RoHS, REACH and ELV regulations.

CONTACT RATING

Load Type	JM-1P (DM/LM)	JM-1P (D/L)
Rated Load (Resistive)	10A 14VDC	10A 14VDC
Rated Load (Motor) at 0.5s ON, 9.5s OFF	20A 14VDC	20A 14VDC
Rated Carrying Current	10A	10A
Max. Allowable Voltage	60VDC	60VDC
Max. Allowable Current	20A	20A
Max. Allowable Power Force	280W	280W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

APPLICATION

Power Window Control, Auto Door Lock Control,
Power Mirror Control, Seat Adjustment, Wiper Control

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 Strength 1,500V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
 - Electrical 6 Cycles per Minute
 - Mechanical 300 Cycles per Minute
- Temperature Range -40 ~ +85°C
- Humidity Range 45 ~ 85% RH.
- Coil Temperature Rise 70°C Max.
- Vibration:
 - Destruction 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
 - Malfunction 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfunction 100 m/S²
- Life Expectancy:
 - Mechanical 10⁷ Operations at No load condition
 - Electrical 10⁵ Operations at Rated Resistive Load
- Weight About 5.2g for 1P

SAFETY STANDARD & 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% (for short time carrying current)
	9	90	100				
	10	74	135				
	12	66.7	180				
JM-L	6	100	60	Abt. 0.6	60% Maximum	5% Minimum	150% (for short time carrying current)
	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 Sensitivity:

D: Standard DC

L: High DC

Coil Voltage:

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

Number of Set:

1: One Set

Type of Sealing:

SS: RT II Flux Proofed

SH: RT III Wash Tight

Type:

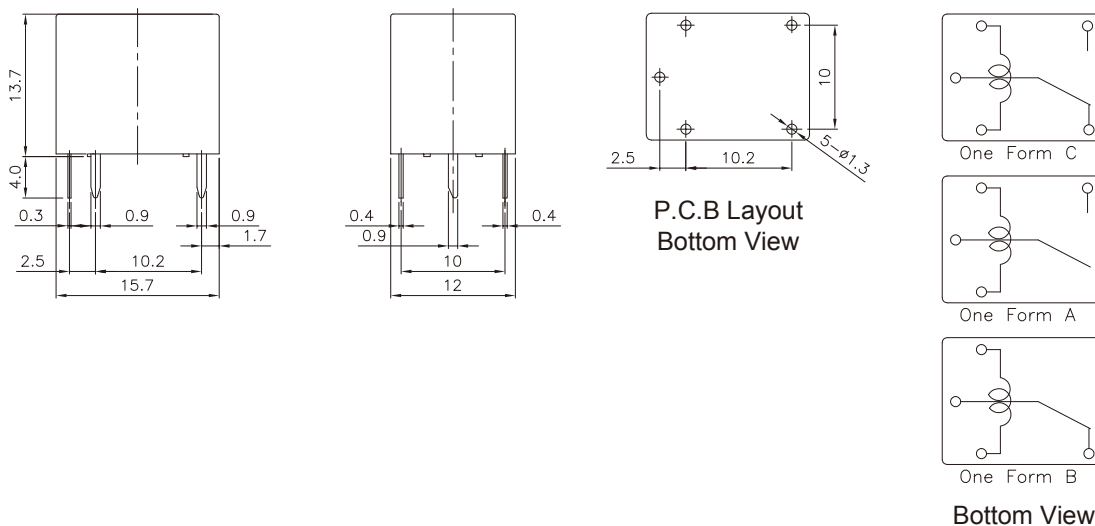
JM

CLASSIFICATION

Model	JM					
Coil Sensitivity	Standard DC			High DC		
Number of Pole	1 Set			1 Set		
Contact Form	1C	1A	1B	1C	1A	1B
Flux Proofed	1C : JM-SS-1□□D			1C : JM-SS-1□□L		
	1A : JM-SS-1□□DM			1A : JM-SS-1□□LM		
	1B : JM-SS-1□□DB			1B : JM-SS-1□□LB		
Wash Tight	1C : JM-SH-1□□D			1C : JM-SH-1□□L		
	1A : JM-SH-1□□DM			1A : JM-SH-1□□LM		
	1B : JM-SH-1□□DB			1B : JM-SH-1□□LB		

DIMENSION ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

JM-SS/SH-1



V.01BX