

Main Feature

1. Small size (10.2x18.3x15.8 in mm) produces a switching capacity up to 10A for high density P.C. Board mounting technique.
2. The Contact form construction is 1a (SPST).
3. The Surge Resistance of GJ Series is 10,000V.
4. Sealing Construction (Free from dust and solder flux):
GJ-SS: Flow Solder Type.
GJ-SH: Plastic sealed type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.

Application

Domestic Appliances, Office Machines, Audio Equipment, Car Use, etc.

Contact Rating :

- Nominal Load (Resistive Load $\cos \phi = 1$)
Contact Capacity
 - GJ-D 6A at 125VAC.
3A at 250VAC.
6A at 30VDC.
 - GJ-DM(LM) 10A at 120VAC.
5A at 250VAC.
10A at 30VDC.
TV-5 at 120VAC.
- Max. Allowable Current
 - GJ-D 6A.
 - GJ-DM(LM) 10A.
- Max. Allowable Voltage AC 250V, DC 30V.
- Max. Allowable Power Force
 - GJ-D 800VA, 180W
 - GJ-DM(LM) 1,200VA, 240W
- Min. Switching Load DC 5V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPDT & SPST

Performance (at Initial Value)

- Contact Resistance 100 mΩ Max. @ 1A, 6VDC
- Operate Time 10 mSec. Max.
- Release Time 4 mSec. Max.
- Dielectric Strength :
 - Between Coil & Contact
 - GJ-D 2,500VAC
 - GJ-DM(LM) 3,000VAC
 - at 50/60 Hz for one minute.
 - Between Contacts 1,000VAC at 50/60 Hz for one minute.
- Surge Resistance 10,000V (between coil & contact 1.2x50μSec.)

- Insulation Resistance 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
 - Electrical 30 Ops per Minute.
 - Mechanical 300 Ops per Minute.
- Temperature Range -30~70°C
- Humidity Range 45~85% RH.
- Coil Temperature Rise 40°C Max. (D Type)
35°C Max. (L Type)
- Vibration :
 - Endurance 10 to 55 Hz dual amplitude width 1.5mm.
 - Error Operation 10 to 55 Hz dual amplitude width 1.5mm.
- Shock :
 - Endurance 1,000 m/S² Min.
 - Error Operation 100 m/S² Min.
- Life Expectancy :
 - Mechanical 10⁷ Operations at No load condition.
 - Electrical 10⁵ Operations at Rated Resistive Load.
- Weight about 9.5 g.

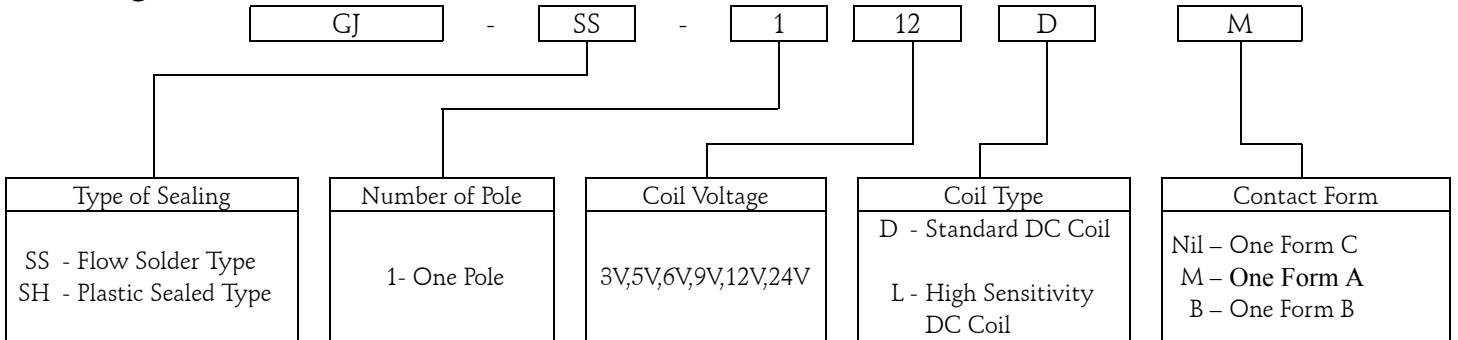
Safety Standard & Its File Number :

- UL E141060
- CSA LR76598
- TUV R9754184
- SEMKO 9822136/01

Coil Specification (at 20 °C):

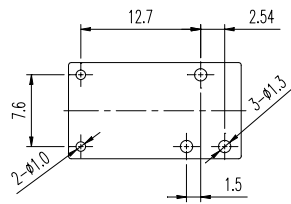
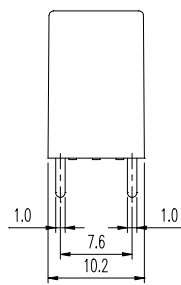
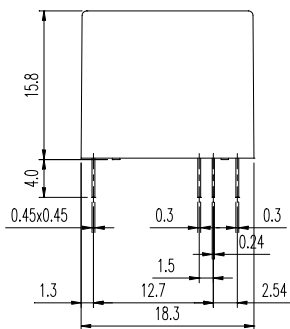
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GJ-D GJ-DM	3	150	20	Abt. 0.45	75% Maximum	5% Minimum	120%
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
GJ-LM	24	18.8	1,280	Abt. 0.2			
	3	67	45				
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2,800				

Ordering Information:

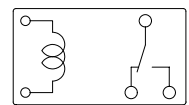


Dimension:

GJ-SS/SH-D

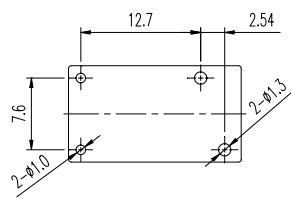
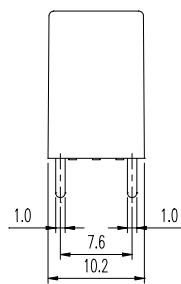
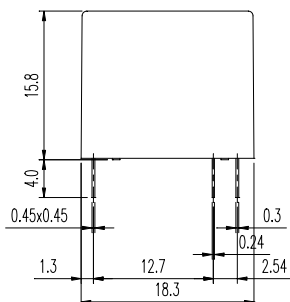


BOTTOM VIEW

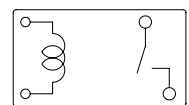


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GJ-SS/SH-DM(LM)



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