

Main Feature

1. 92/8 gold silver alloy on silver palladium contact type is suitable for low level switching application.
2. Small size and light weight can provide high density P.C. Board mounting.
3. 2.54gmm Terminal Pitch.
4. Low Coil Power Consumption of GS-T Type and high Coil Power Consumption of GS-D type are available to meet user's selection.
5. Employment of suitable plastic materials to be applied to high temperature and various chemical solution.
6. Plastic epoxy resin sealed type for washing procedure.

Application

Telecommunication, domestic appliances, office machine, audio equipment, Remote Control, etc

Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
- Contact Capacity 1A at 120VAC.
2A at 24VDC.
- Rated Carrying Current 2A.
- Max. Allowable Current 2A.
- Max. Allowable Voltage AC 120V, DC 24V.
- Max. Allowable Power Force 120VA, 48W.
- Min. Switching Load DC 1V, 1mA.
- Contact Material Ag Alloy.
- Contact Form DPDT.

Performance (at Initial Value)

- Contact Resistance 100mΩMax. @100mA, 6VDC
- Operate Time..... GS-D 6 mSec. Max.
GS-T 8 mSec. Max
- Release Time 4 mSec. Max.
- Dielectric Strength :
Between Coil & Contact 1,000VAC 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.
 - Mechanical300 Ops per Minute.
- Temperature Range-30~80°C
- Humidity Range45~85% RH.
- Coil Temperature Rise25°C Max. (D Type)
20°C Max. (T Type)
- Vibration :
 - Endurance.....10 to 55 Hz dual
amplitude width 1.5mm.
 - Error Operation10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
 - Endurance1,000 m/S² Min.
 - Error Operation100 m/S² Min.
- Life Expectancy :
 - Mechanical10⁷ Operations at No
Load condition.
 - Electrical10⁵ Operations at
Rated Resistive Load.
- Weight.....About 4.8 g.

Safety Standard & Its File Number

- C-UL(D&T only)E141060

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)
GS - D	3	120	25	Abt. 0.36	75% Maximum	10% Minimum	150%
	5	71.4	70				
	6	60.0	100				
	9	40.0	225				
	12	30.0	400				
	24	15.0	1,600				
GS - T	48	0.75	6,400	Abt. 0.20	75% Maximum	10% Minimum	150%
	3	66.7	45				
	5	40.0	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
GS - L	24	8.3	2,880	Abt. 0.15	80%	10%	150%
	3	50.0	60				
	5	30.0	167				
	6	25.0	240				
	9	16.7	540				
	12	12.5	960				

Ordering Information

GS - SH - 2 12 D

Coil Sensitivity:

D: 0.36W

T: 0.2W

L: 0.15W

Coil Voltage:

03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V

48: 48V(D Type Only)

Number of Pole:

2: Two Poles

Type of Sealing:

SH: Plastic Sealed Type

Type:

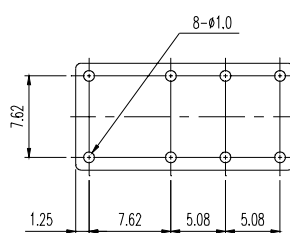
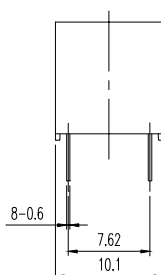
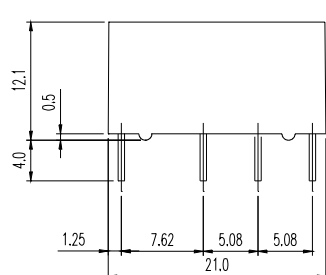
GS

Classification

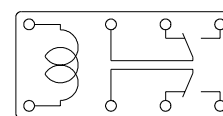
Model	GS		
Coil Sensitivity	Standard DC Coil	Middle Consumption DC Coil	High Sensitivity Type
Flow Solder Type	GS-SS-2□□D	GS-SS-2□□T	GS-SS-2□□L
Plastic Sealed Type	GS-SH-2□□D	GS-SH-2□□T	GS-SH-2□□L

Dimension

GS-SH



BOTTOM VIEW



BOTTOM VIEW

Reference Data

