

Main Feature

1. 92/8 gold silver alloy on silver palladium contact type suitable for low level switching application.
2. 2.54mm terminal pitch employment equivalent to I.C. Terminal.
3. Different types of coil sensitivities available to meet user's selection.
4. Plastic epoxy resin sealed type for washing procedure.

Contact Rating

Load Type	GS (D)	GS (L)	GS (T)
Rated Load (Resistive)	1A 120VAC	1A 120VAC	1A 120VAC
	2A 24VDC	2A 24VDC	2A 24VDC
Rated Carrying Current	2A	2A	2A
Max. Allowable Voltage	AC 120V	AC 120V	AC 120V
	DC 24V	DC 24V	DC 24V
Max. Allowable Current	2A	2A	2A
Max. Allowable Power Force	120VA	120VA	120VA
	48W	48W	48W
Min. Switching Load	DC 1V, 1mA	DC 1V, 1mA	DC 1V, 1mA
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	DPDT	DPDT	DPDT

Application

Telecommunication, Domestic Appliances, Office Machine, Audio Equipment, Remote Control, etc

Performance (at Initial Value)

- Contact Resistance 100mΩ Max. @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 Strength 1,500V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching:
Electrical 30 Cycles per Minute.
Mechanical 300 Cycles per Minute.

Coil Specification (at 20°C)

- Temperature Range -30 ~ 80°C
- Humidity Range 45 ~ 85% RH.
- Coil Temperature Rise 25°C Max. (D Type)
20°C Max. (T 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.
Error Operation 100 m/S².
- Life Expectancy:
Mechanical 10⁷ Operations at No Load condition.
Electrical 10⁵ Operations at Rated Resistive Load.
- Weight..... About 4.8 g.

Safety Standard & File Number

- UL & C-UL E141060

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	3	66.7	45	Abt. 0.20	75% Maximum	10% Minimum	150%
	5	40.0	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2,880				
GS - L	3	50.0	60	Abt. 0.15	80%	10%	150%
	5	30.0	167				
	6	25.0	240				
	9	16.7	540				
	12	12.5	960				

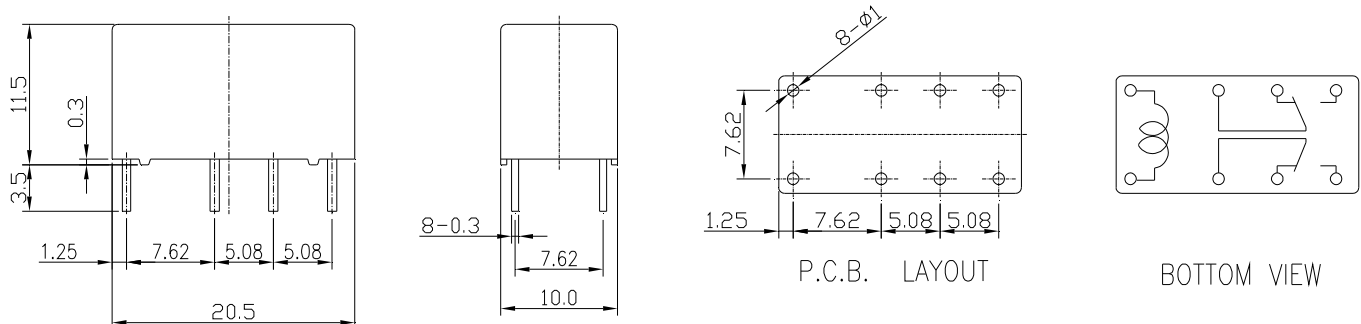
Ordering Information

GS - SH - 2 12 D				Coil Sensitivity:	D: 0.36W T: 0.20W L: 0.15W
				Coil Voltage:	03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V
				Number of Pole:	2: Two Poles
				Type of Sealing:	SH: RT III Wash Tight Relays
				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 ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)



Reference Data

