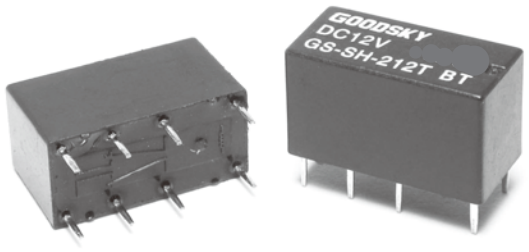
GS



MAIN FEATURE

1. Gold Silver alloy contact good for low switching application.
2. 2.54mm terminal pitch employment equivalent to I.C. Terminal.
3. Different types of coil sensitivity available to meet user's selection.
4. Plastic epoxy resin sealed type for washing procedure.
5. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	GS (D)	GS (T)	GS (L)
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 +Au	Ag +Au	Ag +Au
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/L 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 ..... 6 Cycles per Minute
  Mechanical 300 Cycles per Minute
- Temperature Range ..... -30～+80°C
- Humidity Range ..... 45～85% RH.
- Coil Temperature Rise ..... 25°C Max. (D Type)
  20°C Max. (T /L Type)
- 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/S^2
  Malfunction ..... 100 m/S^2
- Life Expectancy:
  Mechanical ..... 10^7 Operations at No Load condition
  Electrical ..... 10^5 Operations at Rated Resistive Load
- Weight ..... About 4.8 g

SAFETY STANDARD & FILE NUMBER

- NIL

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±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				
	48	7.5	6400				
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% Maximum	10% Minimum	150%
	5	30.0	167				
	6	25.0	240				
	9	16.7	540				
	12	12.5	960				
	24	6.25	3840				

ORDERING INFORMATION

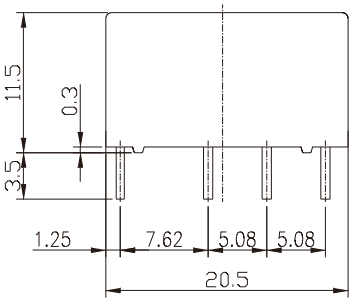
GS - SH - 2 12 D

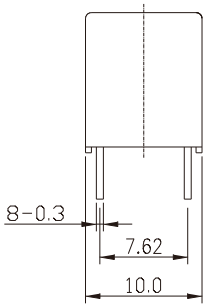
Coil Sensitivity:	**D:** Standard DC **T:** Medium DC **L:** High DC
Coil Voltage:	**03:** 3V, **05:** 5V, **06:** 6V, **09:** 9V, **12:** 12V, **24:** 24V, **48:** 48V
Number of Pole:	**2:** Two Poles
Type of Sealing:	**SH:** RT III Wash Tight
Type:	**GS**

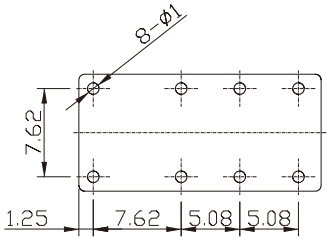
CLASSIFICATION

Model	GS		
Coil Sensitivity	Standard DC	Medium DC	High DC
Wash Tight	GS-SH-2□□D	GS-SH-2□□T	GS-SH-2□□L

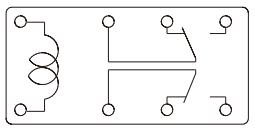
DIMENSION (≤ 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)







P.C.B Layout
Bottom View



Bottom View

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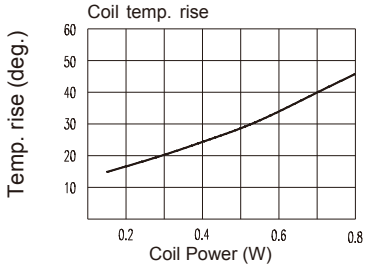

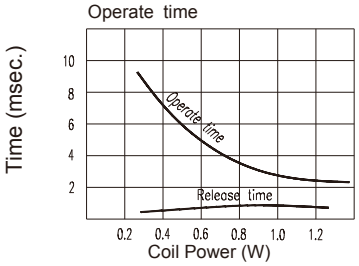

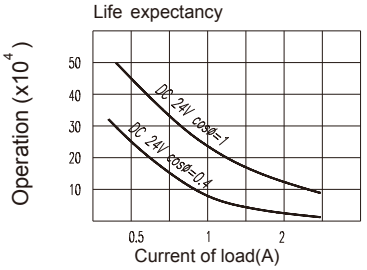

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