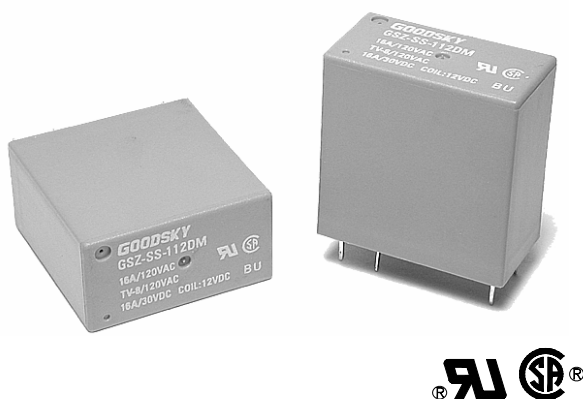




Main Feature

1. Insulation distance of 6 mm Minimum suitable for domestic appliances and industrial equipment with dielectric strength at 4,000VAC.
2. The employment of high performance Contact Material is suitable for high inrush current.
3. The employment of suitable plastic materials is applied under high temperature and various chemical solutions.
4. TV-8 at 120VAC of GSZ model is certified by UL & CSA.

Contact Rating

Load Type	GSZ (DM)
Rated Load (Resistive)	16A 120VAC
	16A 30VDC
Contact Capacity	TV-8 120VAC
Rated Carrying Current	16A
Max. Allowable Voltage	AC 240V
	DC 100V
Max. Allowable Current	16A
Max. Allowable Power Force	2,400VA
	380W
Contact Material	Ag Alloy
Contact Form	SPST

Application

Cooling Applications, Air Conditioners, Controlling Equipment...etc.

Performance (at Initial Value)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time..... 20 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact 4,000VAC at 50/60 Hz for one minute.
 - Between Contacts 1,000VAC at 50/60 Hz for one minute.
- Surge Strength 7,000V (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..... -25~55°C

- Humidity Range45~85% RH.
- Coil Temperature Rise55°C Max.
- 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.
 - Error Operation100 m/S².
- Life Expectancy :
 - Mechanical10⁷ Operations at No Load condition.
 - Electrical10⁵ Operations at Rated Resistive Load.
 - 2.5x10⁴ Operations at TV Rated Load.
- Weight.....About 13.6 g.

Safety Standard & Its File Number

- ULE141060
- CSA.....LR76598

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)
GSZ	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	120%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	11	4,400				

Ordering Information

GSZ - SS - 1 12 D M

Contact Form: M: One Form A

Coil Type: D: Standard DC Coil

Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V

Number of Pole: 1: One Pole

Type of Sealing: SS: Flow Solder Type

SH: Plastic Sealed Type

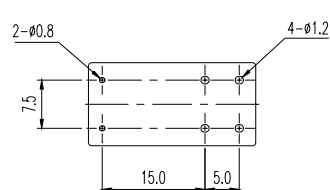
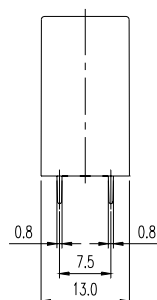
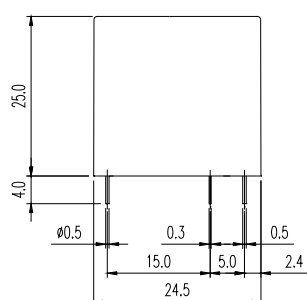
Type: GSZ

Classification

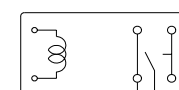
Model	GSZ
Contact Form	1A
Flow Solder Type	GSZ-SS-1□□DM
Plastic Sealed Type	GSZ-SH-1□□DM

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

GSZ-SS/SH



BOTTOM VIEW



BOTTOM VIEW

Reference Data

