

Main Feature

1. High switching current 16A in small size.
2. 6mm insulation distance with surge strength 7,000V.
3. Dielectric Strength up to 4,000VAC.
4. TV-8 120VAC certified by UL.

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	1920VA
	480W
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 Range..... 45~85% RH.
- Coil Temperature Rise..... 55°C Max.

- Vibration:
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm.
Error Operation 10 to 55 Hz dual
amplitude width 1.5mm.
- Shock:
Endurance1,000 m/S² .
Error Operation 100 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 & File Number

- UL & C-UL.....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)
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: RT II Flux Proofed Relays

SH: RT III Wash Tight Relays

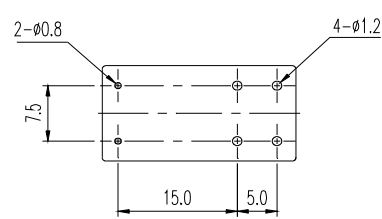
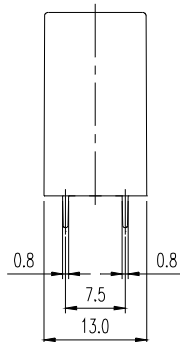
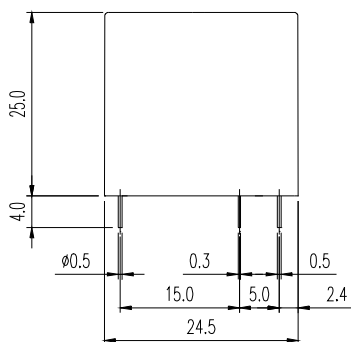
Type:

GSZ

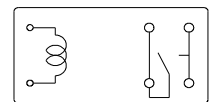
Classification

Model	GSZ
Contact Form	1A
Flux Proofed Relay	GSZ-SS-1□□DM
Wash Tight Relay	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: $+0.1\text{mm}$)



P.C.B. Layout



BOTTOM VIEW