

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.
5. Comply with RoHS and REACH regulations

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 Rise55°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:
 - 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
 - 2.5x10⁴ Operations at TV Rated Load
- Weight.....About 13.6 g

Safety Standard & File Number

- ULE141060

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

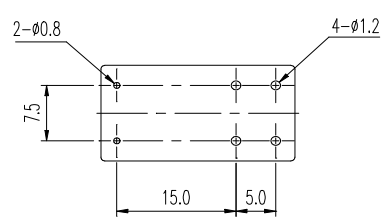
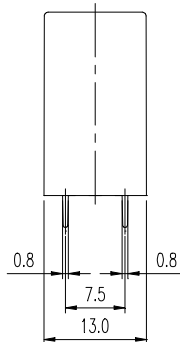
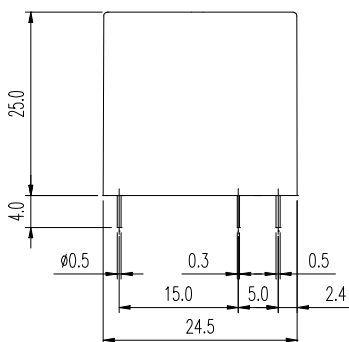
Contact Form: M: One Form A
Coil Type: D: Standard DC Coil
Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V
Number of Pole: 1: One Pole
Type of Sealing: SS: RT II Flux Proofed
 SH: RT III Wash Tight
GSZ

Type:

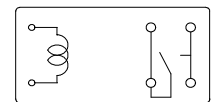
Classification

Model	GSZ
Contact Form	1A
Flux Proofed	GSZ-SS-1 <input type="checkbox"/> DM
Wash Tight	GSZ-SH-1 <input type="checkbox"/> 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