



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 Strength7,000V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance..... 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
 - Electrical6 Cycles per Minute
 - Mechanical.....300 Cycles per Minute
- Temperature Range-25~+55°C
- Humidity Range45~85% RH.
- Coil Temperature Rise55°C Max.
- Vibration:
 - Destruction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
 - Malfuction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfuction 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

- 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 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
Type: GSZ

CLASSIFICATION

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

