

GZR SERIES

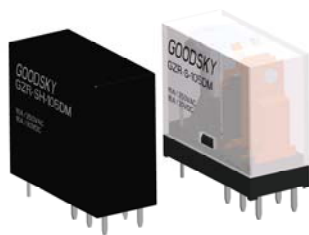
For General Control & Home Appliance

Application Control Board on Power Supply /
UPS; etc.

Features 8mm Creepage / Clearance
Excellent to Be Applied to High-Power
Devices

Safety Standard VDE, C-UL
(Certification in Progress)

RoHS Compliant



Main Feature

1. Slim size (28.8x12.7x25.3mm).
2. 8mm creepage/clearance.
3. High-capacity(16A) type available
4. SPDT(1a) available.
5. Complete protective structure is designed from dust and soldering flux. If required, plastic sealed type is available for washing procedure.

Contact Rating

Load Type	GZR
Rated Load (Resistive)	16A 250VAC 16A 30VDC
Rated Carrying Current	16A
Max. Allowable Voltage	AC 380V DC 125V
Max. Allowable Current	16A
Max. Allowable Power Force	480W
Contact Material	Ag Alloy
Contact Form	SPDT

Application

Home Appliance.

Performance (at Initial Value)

- Contact Resistance 100mΩ Max.@1A,6VDC
- Operate Time..... 15 mSec. Max.
- Release Time 5 mSec. Max.
- Dielectric Strength:
Between Coil & Contact.....5,000VAC at 50/60 Hz
for one minute
Between Contacts 1,000VAC at 50/60 Hz
for one minute
- Surge Resistance 7,000V (between coil &
Contact 1.2/50μ Sec.)
- Insulation Resistance 1,000 MΩ Min. at
500VDC.
- Max. On/Off Switching:
Electrical..... 20 Cycles per Minute.
Mechanical 300 Cycles per Minute.
- Operating Temperature Range.....-40° +70°C

- Humidity Range.....5~85% RH.
- Storage Temperature Range.....-40° +70°C
- 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 1x10⁷ Operations at No
Load condition.
Electrical..... 10⁵ Operations at Rated
Resistive Load.
- Contact Material Ag Alloy.
- Weight About 17g.

Safety Standard & Its File Number

- In Progress

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)
GZR	5	106	47	Abt. 0.53	70% Maximum	15% Minimum	170%
	6	88.2	68				
	12	43.6	275				
	24	21.8	1100				
	48	11.5	4170				
	100	5.3	18860				

Ordering Information

GZR - S - 1 05 D

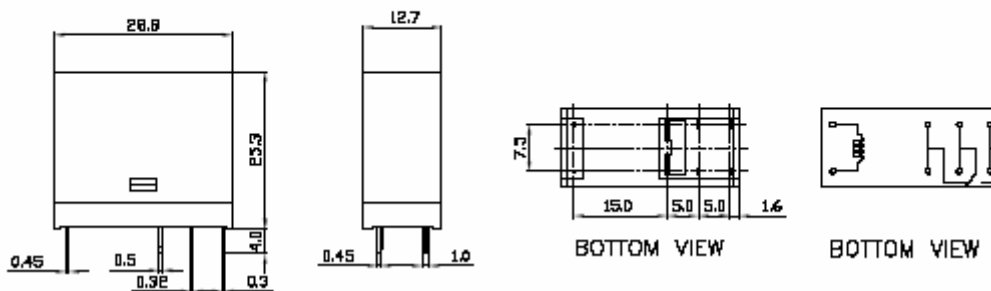
Contact Form: NIL: One form C
Coil Type: D: Standard DC Coil
Coil Voltage: 05: 5V, 06: 6V, 12: 12V, 24: 24V, 48: 48V, 100: 100V
Number of Pole: 1: One Pole, 2: Two Poles
Type of Sealing: S: RT Dust Protected Relays
SS: RT Flux Proofed Relays
SH: RT Wash Tight Relays
Type: GZR

Classification

Model	GZR
Terminal Size	Standard DC Coil
Contact Form	1A
Dust Protected Relay	GZR-S-1 D
Flux Proofed Relay	GZR-SS-1 D
Wash Tight Relay	GZR-SH-1 D

Dimension(5mm±0.2mm, 5mm±0.3mm, the tolerance of PCB thru hole: 0.1mm)

GZR-S-D



GZR-SS/SH-D

