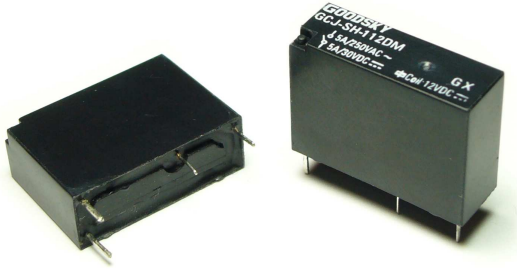


Main Feature



1. Slim size with 5A switching current.
2. Low power consumption 200 mW with Dielectric Strength up to 4,000VAC.
3. 8mm creepage and clearance safety distance.
4. Class F insulation system.
5. Halogen Free series available.



Contact Rating

Load Type	GCJ (DM)
Rated Load (Resistive)	5A 277VAC
	5A 30VDC
Contact Capacity	1/8HP 250VAC
Rated Carrying Current	5A
Max. Allowable Voltage	AC 400V
	DC 30V
Max. Allowable Current	5A
Max. Allowable Power Force	1385VA
	150W
Contact Material	Ag Alloy
Contact Form	SPST

Application

Home Appliance, General Control.

Performance (at Initial Value)

- Contact Resistance 100mΩ Max. @ 1A, 6VDC
- Operate Time..... 10 mSec. Max.
- Release Time 4 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact..... 4,000VAC at 50/60 Hz for one minute
 - Between Contacts..... 1,250VAC at 50/60 Hz for one minute
- Surge Strength 7,000V (between coil & Contact 1.2 / 50μSec.)
- Insulation Resistance 1,000 MegaΩ Min. at 500VDC.
- Max. On/Off Switching:
 - Electrical 20 Cycles per Minute.
 - Mechanical 300 Cycles per Minute.
- Temperature Range..... -30~85°C
- Humidity Range..... 20~85% RH.
- Temperature Range..... 45°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..... 5x10⁷ Operations at No Load condition.
 - Electrical 10⁵ Operations at Rated Resistive Load.
- Contact Material Ag Alloy.
- Weight About 4 g.

Safety Standard & File Number

- UL & C-UL.....E141060
- VDE.....40026954

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)
GCJ	3	66.7	45	Abt. 0.2	75% Maximum	5% Minimum	130%
	5	40	125				
	6	33.3	180				
	9	22.5	405				
	12	16.7	720				
	15	13.3	1125				
	18	11.1	1620				
	24	8.6	2880				

Ordering Information

GCJ - SH - 1 12 D M - N F

Insulation System:

Nil: Standard

F: F Class

Contact Material:

Nil: AgNi

N: AgSnO₂

S: AgSnO₂ Gilded

Contact Form:

M: One Form A

Coil Type:

D: Standard DC Coil

03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V,

15: 15V, 18: 18V, 24: 24V

Coil Voltage:

Number of Pole:

1: One Pole

Type of Sealing:

SS: RT II Flux Proofed Relays

SH: RT III Wash Tight Relays

Type:

GCJ

Classification

Model	GCJ
Coil Type	Standard DC Coil
Contact Form	1A
Flux Proofed Relays	GCJ-SS-1□□DM
Wash Tight Relays	GCJ-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: $+0.1\text{mm}$)

