



MAIN FEATURE

1. Slim size with 5A switching current.
2. Low power consumption 200 mW with Dielectric Strength up to 4,000VAC.
3. UL Class F insulation available.
4. Halogen Free series available.
5. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	G CJ (DM)
Rated Load (Resistive)	5A 277VAC
	5A 30VDC
	5A 250VAC (VDE)
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...etc.

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 6 Cycles per Minute
 - Mechanical..... 300 Cycles per Minute
- Temperature Range -30~+85°C
- Humidity Range 20~85% RH.
- Coil Temperature Rise 45°C Max.
- Vibration:
 - Destruction 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
 - Malfunction 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfunction 100 m/S²
- Life Expectancy:
 - Mechanical 5x10⁶ Operations at No Load condition
 - Electrical..... 10⁵ Operations at Rated Resistive Load
- 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: Class F

Contact Material: Nil: AgNi
N: AgSnO₂
S: AgSnO₂ Gilded

Contact Form: M: One Form A

Coil Type: D: Standard DC
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
SH: RT III Wash Tight

Type: GCJ

CLASSIFICATION

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

