



MAIN FEATURE

1. 25Amp motor lock load.
2. Small size with high rating.
3. Standard type contact form SPDT and SPST are available for customer's selection.
4. High performance PCB Relay.
5. Comply with RoHS, REACH and ELV regulations.

CONTACT RATING

Load Type	GIN (DM)	GIN (D)
Rated Load (Resistive)	25A 16VDC	25A 16VDC
Rated Carrying Current	25A	25A
Max. Allowable Voltage	DC 16V	DC 16V
Max. Allowable Current	30A	30A
Min. Switching Load	1A 6VDC	1A 6VDC
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

APPLICATION

Power Window Control, Seat adjustment, Sunroof Control, Wiper Control, Lighting Control, Power Mirror Control

PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance 100 mΩ Max. @1A, 6VDC
- Operate Time 10mSec. Max.
- Release Time 10mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact 500VAC at 50/60 Hz for one minute
 - Between Contacts 500VAC at 50/60 Hz for one minute
- Insulation Resistance 100MΩ Min. at 500VDC
- Max. On/Off Switching:
 - Electrical 6 Cycles per Minute
 - Mechanical 300 Cycles per Minute

- Temperature Range -40~+105 °C
- Humidity Range 45~80% RH.
- Coil Temperature Rise 50 °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:
 - Electrical 10⁵ Operations at Rated Resistive Load
 - Mechanical 10⁷ Operations at No load condition
- Weight Single type - about 4g

SAFETY STANDARD & FILE NUMBER

- NIL

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (W±10%)	Power Consumption (W±10%)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GIN	9	70.8	127	Abt. 0.64	60% Maximum	5% Minimum	130%
	12	53.3	225				
	24	26.7	900	Abt. 0.8			
	48	16.7	2880				

ORDERING INFORMATION

GIN - SS - 1 12 D M

Contact Form:

Nil: Form C

M: Form A

Coil Type:

D: Standard DC

Coil Voltage:

09: 9V, 12: 12V, 24: 24V, 48: 48V

Number of Pole:

1: Single Relay

Type of Sealing:

SS: RT II Flux Proofed

SH: RT III Wash Tight

TYPE:

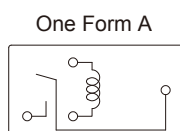
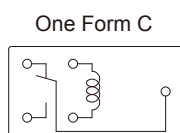
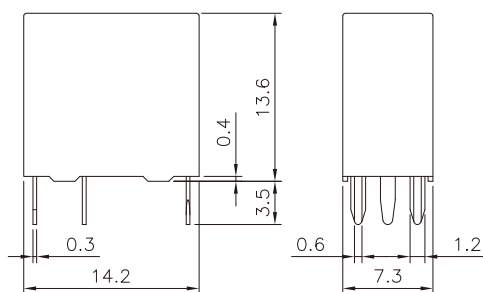
GIN

CLASSIFICATION

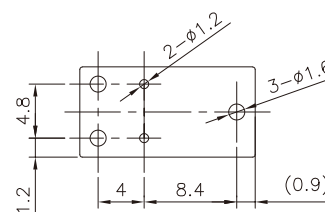
Model	GIN	
Contact Form	1C	1A
Flux Proofed	GIN-SS-1□□D	GIN-SS-1□□DM
Wash Tight	GIN-SH-1□□D	GIN-SH-1□□DM

DIMENSION ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

GIN-SS/SH-1



Bottom View



P.C.B Layout
Bottom View