



Main Feature



1. 25Amp motor lock load.
2. Small size with high rating.
3. Single or dual version available.
4. Standard type contact form SPDT and SPST are available for customers' selection.
5. High performance PCB Relay.
6. 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 / DPST	SPDT / DPDT

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:
 - Endurance 10 to 55 Hz dual amplitude width 1.5 mm
 - Error Operation 10 to 55 Hz dual amplitude width 1.5mm
- Shock:
 - Endurance 1,000 m/S²
 - Error Operation 100 m/S²
- Life Expectancy:
 - Electrical..... 10⁵ Operations at Rated Resistive Load
 - Mechanical 10⁷ Operations at No load condition
- Weight.....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				
	48	16.7	2880	Abt. 0.8			

Ordering Information

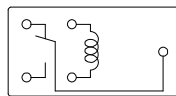
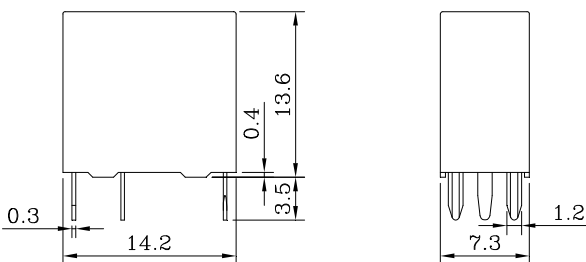
GIN - SS - 1 12 D M	Contact Form:	Nil: Form C M: Form A
	Coil Type:	D: Standard DC
	Coil Voltage:	09: 9V, 12: 12V, 24: 24V, 48: 48V
	Number of Pole:	1: Single Relay 2: Dual Relay
	Type of Sealing:	SS: RT II Flux Proofed SH: RT III Wash Tight
	TYPE:	GIN

Classification

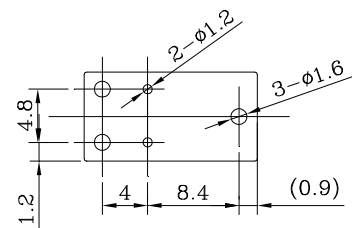
Model	GIN			
	Single Relay		Dual Relay	
Single or Dual Relay				
Contact Form	1C	1A	2C	2A
Flux Proofed	GIN-SS-1□□D	GIN-SS-1□□DM	GIN-SS-2□□D	GIN-SS-2□□DM
Wash Tight	GIN-SH-1□□D	GIN-SH-1□□DM	GIN-SH-2□□D	GIN-SH-2□□DM

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

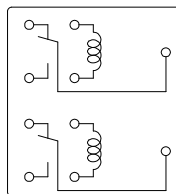
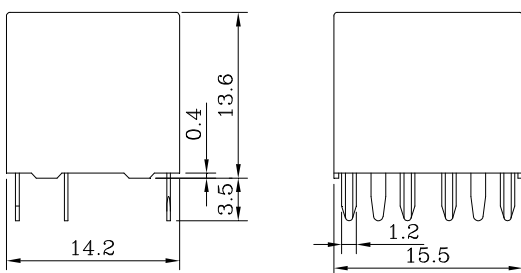
Single Type



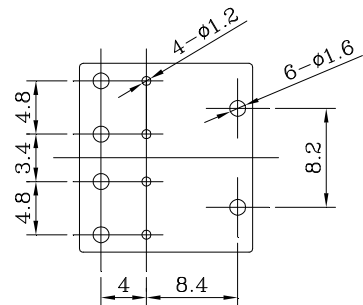
(Bottom View)



Dual Type



(Bottom View)



V.01DS