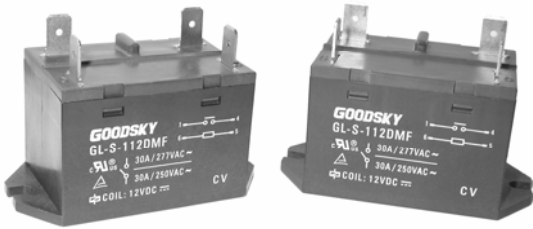


Main Feature



1. Quick terminal is available.
2. High resistance to noise.
3. High contact capacity 30A
4. High dielectric strength.



Contact Rating

Load Type	GL-1P (DM/AM)	GL-2P (DM/AM)
Rated Load (Resistive)	30A 250VAC	25A 250VAC
	30A 277VAC	25A 277VAC
Rated Carrying Current	30A	25A
Max. Allowable Voltage	AC 277V	AC 277V
Max. Allowable Current	30A	30A
Max. Allowable Power Force	7,000VA	6,250VA
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	DPST

Application

Home Appliance, Air Conditioner, Audio Equipment, Domestic Appliances, Controlling Equipment...etc..

Performance (at Initial Value)

- Contact Resistance 100mΩ Max. @1A,6VDC
- Operate Time..... 30 mSec. Max.
- Release Time 30 mSec. Max.
- Dielectric Strength :
 - Between Coil & Contact 4,000VAC at 50/60 Hz for one minute.
 - Between Contacts 2,000VAC at 50/60 Hz for one minute.
- Surge Strength 10,000V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
 - Electrical..... 15 Cycles per Minute.
 - Mechanical 300 Cycles per Minute.
- Temperature Range..... -25~60°C

- Humidity Range 5~85% RH.
- Coil Temperature Rise 55°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 10⁷ Operations at No Load condition.
 - Electrical 10⁵ Operations at Rated Resistive Load.
- Weight About 90 g.

Safety Standard & Its File Number

- C-ULE175730
- TÜVR50028914

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC/VAC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage (VDC)
GL DC Coil	6	317	18.9	Abt. 1.90 W	75% Maximum	10% Minimum	110%
	9	211	42.6				
	12	158	75.8				
	24	79.0	303				
	48	40.0	1,220				
	60	31.7	1,895				
	100	19.0	5,260				
GL AC Coil	110	17.0	6,400	Abt. 1.7~2.5 VA			
	12	142	-				
	24	71.0	-				
	48	34.0	-				
	100~120	17.0 ~ 20.4	-				
	200~240	8.5 ~ 10.2	-				

Ordering Information

GL - S 1 12 D M P F C

Internal Form:

Nil: PC Board

Case Type:

C: PC Board + Capacitor for AC model

Nil: Standard Square Shape

F: Flanged Case

Terminal Type:

Nil: Solder Lug Terminal

P: PC Board terminal

B: Screw Connecting model

Contact Form:

M: One Form A

Coil Type:

D: DC Coil

A: AC Coil

Coil Voltage:

DCV (06: 6V, 09: 9V, 12: 12V, 24: 24V

48: 48V, 60: 60V, 100: 100V, 110: 110V)

ACV (12: 12V, 24: 24V, 48: 48V

110: 100~120V, 220: 200~240V)

Number of Pole:

1: One Pole

2: Two Poles

Type of Sealing:

S: Hand Solder Type

Type:

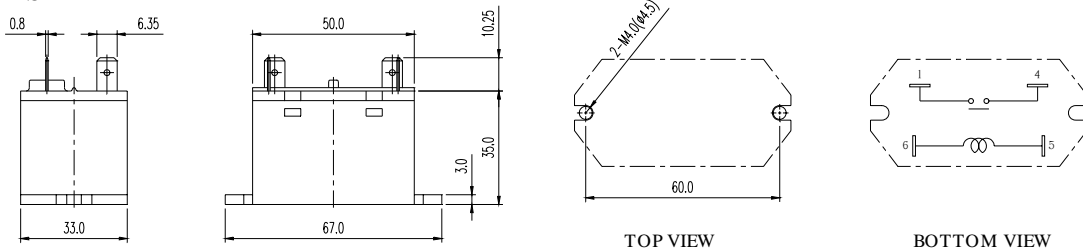
GL

Classification

Model	GL			
Coil Type	DC Coil		AC Coil	
Number of Pole	1 Pole	2 Poles	1 Pole	2 Poles
Terminal Type	GL-S-1□□DM/DMP/DMB	GL-S-2□□DM/DMP/DMB	GL-S-1□□AM/AMP/AMB	GL-S-2□□AM/AMP/AMB
Case Type	GL-S-1□□DM/DMF/DMBF	GL-S-2□□DM/DMF/DMBF	GL-S-1□□AM/AMF/AMBF	GL-S-2□□AM/AMF/AMBF
Internal Form	NIL	NIL	GL-S-1□□AMPC/AMFC/AMFBC	GL-S-2□□AMPC/AMFC/AMFBC

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

GL-S-1



GL-S-2

