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	8,300VA	6,900VA
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.
  Different Polarity……3,000VAC 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/S^2 .
  Error Operation..... 100 m/S^2 .
- Life Expectancy :
  Mechanical ..... 10^7 Operations at No Load condition.
  Electrical ..... 10^5 Operations at Rated Resistive Load.
- Weight ..... About 90 g.

Safety Standard & Its File Number

- UL & C-UL ……..E175730
  E141060
- TÜV ……R50144363
- CQC……07001018736

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC/VAC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
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				
	110	17.0	6,400				
GL AC Coil	12	142	-	Abt. 1.7~2.5 VA			
	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

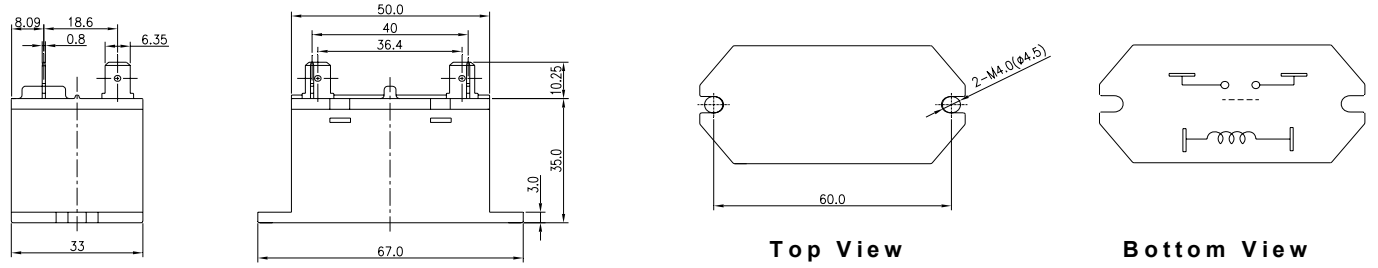
Internal Form:	**Nil**: PC Board **C**: PC Board + Capacitor for AC model
Case Type:	**Nil**: Standard Square Shape **F**: Flanged Case
Terminal Type:	**Nil**: Quick Connect Tabs **P**: PC Board terminal
Contact Form:	**M**: Form A
Coil Type:	**D**: DC Coil **A**: AC Coil
Coil Voltage:	DCV (**06**: 6V, **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**：RT Ⅰ Dust Protected Relays
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	GL-S-2□□DM/DMP	GL-S-1□□AM/AMP	GL-S-2□□AM/AMP
Case Type	GL-S-1□□DM/DMF	GL-S-2□□DM/DMF	GL-S-1□□AM/AMF	GL-S-2□□AM/AMF
Internal Form	NIL	NIL	GL-S-1□□AMPC/AMFC	GL-S-2□□AMPC/AMFC

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

GL-S-1



GL-S-2