



Main Feature

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

Application

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



Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
Contact Capacity
GL-1P 30A at 250VAC
30A at 277VAC.
DMF/AMF:C-UL&TÜV
DMP/AMP:C-UL
GL-2P 25A at 250VAC.
25A at 277VAC
Rated Carrying Current 30A.(GL-1P)
25A.(GL-2P)
Max. Allowable Current 30A.
Max. Allowable Voltage AC 277V.
Max. Allowable Power Force 7,000 VA.(GL-1P)
6,250 VA.(GL-2P)
Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPST & DPST.

Performance (at Initial Value)

- Contact Resistance 100m Ω 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 Resistance 10,000V (between Coil
& Contact 1.2x50 μ Sec.)
- Insulation Resistance 100 Mega Ω Min. at
500VDC

- Max. On/Off Switching :
Electrical 20 Ops per Minute.
Mechanical 180 Ops 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 Min.
Error Operation 100 m/S² Min.
- 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-UL E175730
- TÜV R50023029

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	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	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:

Case Type:

Terminal Type:

Contact Form:

Coil Type:

Coil Voltage:

Number of Pole:

Type of Sealing:

Type:

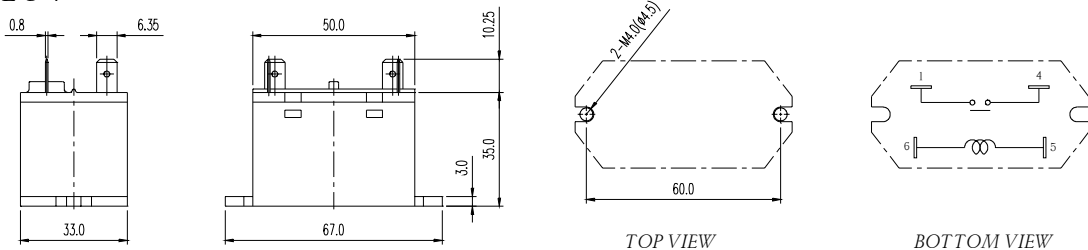
Nil: PC Board
C: PC Board + Capacitor for AC model
Nil: Standard Square Shape
F: Flanged Case
Nil: Solder Lug Terminal
P: PC Board terminal
B: Screw confecting model
M: One From A
D: DC Coil
A: AC Coil
DCV (06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V, 60: 60V, 100: 100V, 110: 110V)
ACV (12: 12V, 24: 24V, 48: 48V, 110: 100~120V, 220: 200~240V)
1: One Pole
2: Two Poles
S: Hand Solder 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	

Dimension

GL-S-1



GL-S-2

