

● Features

- 16A switching capability
- Low height, flat construction
- THT terminal types for PCB layout
- High sensitive: 200mW
- Plastic sealed and flux proofed types available
- Environmental friendly product (RoHS compliant)
- UL insulation system: Class F available
- Dimensions: 23 x 16.2 x 10.6 mm



● Application

- Household Electrical Appliance / Intelligent Home Solution / Automation System / Meter, etc.

● Contact Data

Contact Arrangement		1A
Contact Material		Ag Alloy
Contact Rating	High Capacity	16A 250VAC / 30VDC TV-5 125VAC
	Standard	12A 250VAC / 30VDC
Max. Switching Power		4000VA / 480W
Max. Switching Voltage		250VAC / 30VDC
Max. Switching Current		16A
Contact Resistance		$\leq 100\text{m}\Omega$
Electrical Endurance		1×10^5
Mechanical Endurance		1×10^7

● Coil Parameter

High Sensitive Type

Coil voltage (VDC)		Coil resistance ($\Omega \pm 10\%$)	Pickup voltage(max) (VDC)	Release voltage(min) (VDC)	Coil power consumption (W)
Rated	Max.				
5	6.5	125	4.00	0.50	0.2
6	7.8	180	4.80	0.60	
9	11.7	405	7.20	0.90	
12	15.6	720	9.60	1.20	
18	23.4	1620	14.40	1.80	
24	31.2	2880	19.20	2.40	
48	52.8	11520	38.40	4.80	

Sensitive Type

Coil voltage (VDC)		Coil resistance ($\Omega \pm 10\%$)	Pickup voltage(max) (VDC)	Release voltage(min) (VDC)	Coil power consumption (W)
Rated	Max.				
5	6.5	69	4.00	0.50	0.36
6	7.8	100	4.80	0.60	
9	11.7	225	7.20	0.90	
12	15.6	400	9.60	1.20	
18	23.4	900	14.40	1.80	
24	31.2	1600	19.20	2.40	
48	52.8	6400	38.40	4.80	

● Operation Condition

Insulation resistance		1000M Ω min (at 500VDC)
Dielectric strength	Between contacts	1000V
	Between contact and coil	2500V

● Operation Condition

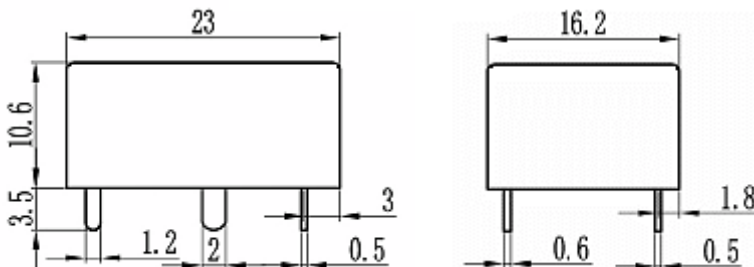
Shock resistance	Functional	98m/s ²
	Endurance	980m/s ²
Vibration resistance		10~55Hz double amplitude 1.5mm
Ambient temperature		-40~85°C
Operate time		≤ 10ms
Release time		≤ 5ms
Relative Humidity		5%~85%
Weight		Approx. 8g

● Ordering Information

	GL	-12D	36	-A	16	-S	(XXX)
Model							
Coil Voltage	5, 6, 9, 12, 18, 24, 48VDC						
Coil Power	Nil: 200mW 36 : 360mW						
Contact Arrangement	A: 1 Form A						
Contact Current	Nil: 12A 16 : 16A						
Construction	Nil: Flux tight S : Sealed						
Special Code	Nil: Standard XXX : Customer special requirement						

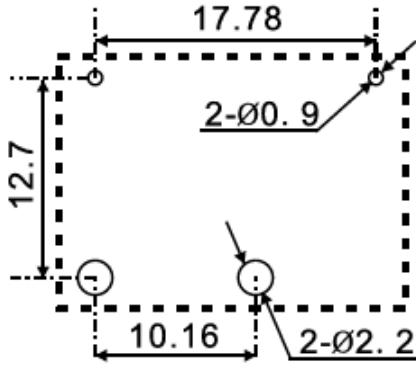
● Dimensions (UNIT: mm)

Outline Dimensions

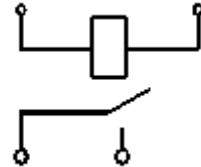


- Dimensions (UNIT: mm)

Mounting (Bottom views)



Wiring Diagram (Bottom views)



- Engineering Data

