

Features

- Max. 20A 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	High Capacity	16A 250VAC / 30VDC TV-5 125VAC			
Rating	Standard	12A 250VAC / 30VDC			
Max. Switching Power		4000VA / 480W			
Max. Switching Voltage		250VAC / 30VDC			
Max. Switching Current		20A			
Contact Resistance		≦100mΩ			
Electrical Endurance		1x10 ⁵			
Mechanical Endurance		1x10 ⁷			

Coil Parameter (at 23[°]C)

High Sensitive Type

Coil Voltage (VDC)		Coil Resistance	Pickup Voltage(max)	Release Voltage(min)	Coil Power Consumption	
Rated Max.		(Ω±10%)	(VDC)	(VDC)	(W)	
5	6.5	125	4.00	0.50		
6	7.8	180	4.80	0.60		
9	11.7	405	7.20	0.90	0.2	
12	15.6	720	9.60	1.20	0.2	
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	Pickup Voltage(max)	Release Voltage(min)	Coil Power Consumption (W)	
Rated Max.		(Ω±10%)	(VDC)	(VDC)		
5	6.5	69	4.00	0.50		
6	7.8	100	4.80	0.60		
9	11.7	225	7.20	0.90	0.36	
12	15.6	400	9.60	1.20	0.30	
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 Res	sistance	1000MΩ min (at 500VDC)			
Dielectric	Between Contacts	1000V			
Strength	Between Contact and Coil	2500V			

Operation Condition

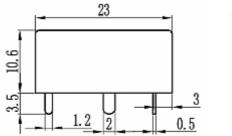
Shock	Functional	98m/s²				
Resistance	Endurance	980m/s²				
Vibration Resistance		10~55Hz double amplitude 1.5mm				
Ambient Temperature		-40~85°C				
Operate Time		≦10ms				
Release Time		≦5ms				
Relative Humidity		5%~85%				
Weight		Approx. 8g				

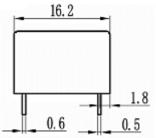
Ordering Information

0.009								
		GL	-12D	36	-A	16	-S	(XX
Model								
Coil Voltage	5, 6, 9, 12, 18, 24	I, 48VD(2					
Coil Power	Ni l: 200mW 36 :	360mW	1					
Contact	A. 4 Farm A							
Arrangement	A: 1 Form A							
Contact Current	Nil: 12A 16: 16	Д						
Construction	Nil: Flux tight S	: Sealed	1					
Special Code	Nil: Standard X	XX: Cus	stomer s	special	require	ment		

Dimensions (UNIT: mm)

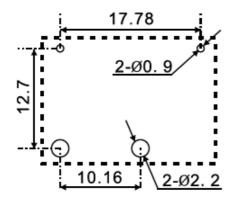
Outline Dimensions



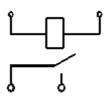


RELAY / ISO9001 / IATF16949 CERTIFIED

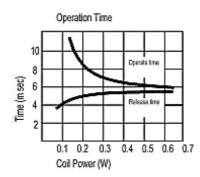
Dimensions (UNIT: mm) Mounting (Bottom views)

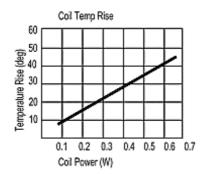


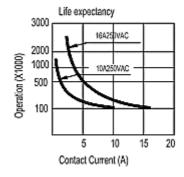
Wiring Diagram (Bottom views)

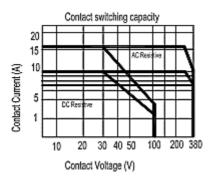


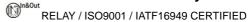
Engineering Data











Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1mm, tolerance should be ±0.2mm; outline dimension >1mm and \leq 5mm, tolerance should be \pm 0.3mm; outline dimension >5mm, tolerance should be ±0.5mm.

2) The tolerance without indicating for PCB layout is always ± 0.1 mm.

Disclaimer

The specification is for reference only. See to"Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact IOEC for the technical service. However, it is the user's responsibility to determine which product should be used only.

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