

R607 Power relay



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Features

- Slim type and small occupying area can offer high density P.C.B. technique.
- Employment of suitable plastic materials to be applied to high temperature and various chemical solution.
- Dielectric strength 5000V.
- Creepage distance >8mm.

Contact Data

Contact Arrangement	1A(SPSTNO) 1C (SPDT(B-M))		
Contact Material	Ag alloy		
Contact Rating (Resistive)	8A/250VAC,30VDC		
Max. Switching Power	300W	2500VA	
Max. Switching Voltage	125VDC 380VAC	Max. Switching Current:10A	
Contact Resistance or Voltage drop	≤100mΩ	Item 4.12 of IEC 61810-7	
Operational life	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

- CAUTION:** 1.For the intermediate current, it only applies to the room temperature.
 2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pickup voltage VDC (max) (75%of rated voltage)	Release voltage VDC (min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max						
005-220	5	6.5	114	3.75	0.5	0.22	<7	<3
006-220	6	7.8	164	4.5	0.6			
012-220	12	15.6	655	9.0	1.2			
018-220	18	23.4	1473	13.5	1.8			
024-220	24	31.2	2618	18.0	2.4			
048-250	48	62.4	9216	36.0	4.8	0.25	<7	<3
003-250	60	78	14400	45.0	6.0			

- CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.
 3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

Ordering information

R607D1 / 012 Z 1 R				
1	2	3	4	5
1 Model: R607D1	5 Contact Material : nil or R = Ag alloy			
2 Coil voltage: see coil parameter				
3 Contact form: H=1A, Z=1C				
4 Version: 1=sealed				

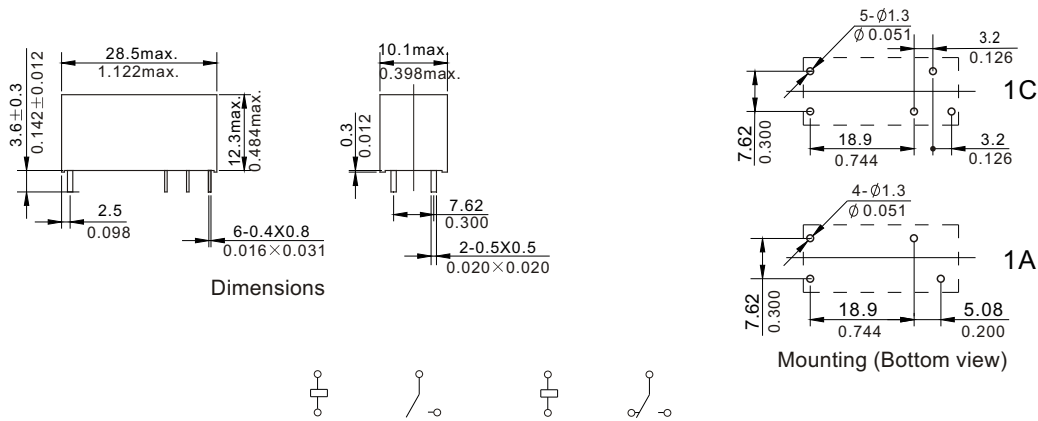
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Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 1000V 50Hz 5000V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	Functional 100m/s ² 11ms Survival: 1000m/s ² 6ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~500Hz double amplitude 1.5mm 200m/s ²	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235°C ± 2°C 3s ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40°C ~85°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test Ca
Mass	8.2g	

Dimensions

mm / inch

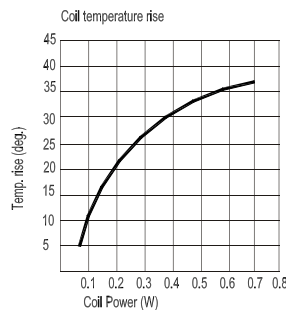


1A 1C

Wiring diagram
(Bottom view)

NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.

Reference Data



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