21×10. 5×12

N4078

c UL us E158859 R50126375

Features

- Small size, light weight.
- Low coil power consumption.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.

Ordering Information

N4078 - 2C - 3V - 0.2W
1 2 3 4

1 Part number: N4078 2 Contact arrangement: 2C:2C	3 Coil rated voltage(V): DC:5,9,12,24 4 Coil power: 0.2W；0.36W

Contact Data

Contact Arrangement	2C (DPDT (B-M))	
Contact Material	Ag Alloy(Au plated)	
Contact Rating	2A/30VDC;1A/125VAC,24VDC	
Max. Switching Power	60W 125VA	
Max. Switching Voltage	30VDC 220VAC	Max.Switching Current:2A
Contact Resistance	≤50mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10^5	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10^7	Item 4.31 of IEC 61810-7

Notes: The min. switching current and min. switching voltage is 50mA/6VDC.

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC (max) (70% of rated voltage)	Drop-out voltage VDC (min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
5	6.5	125	3.50	0.5	0.20	≤6	≤5
9	11.7	405	6.30	0.9			
12	15.6	720	8.40	1.2			
24	31.2	2880	16.8	2.4			
5	6.5	70	3.50	0.5	0.36	≤6	≤5
12	15.6	400	8.40	1.2			
24	31.2	1600	16.8	2.4			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

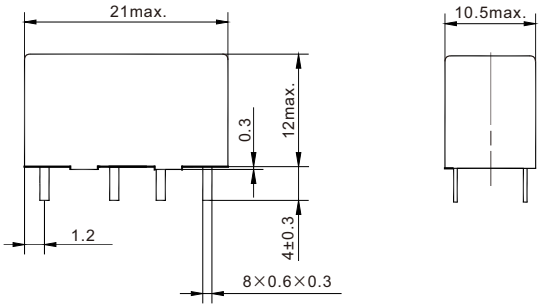
Insulation Resistance	500MΩ min (at 500V)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 500VAC 1min 1000VAC 1min	 Item 4.9 of IEC 61810-7
Shock Resistance	490m/s^2 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~70Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-30℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	5.5g	Item 4.7 of IEC 61810-7

Safety Approvals

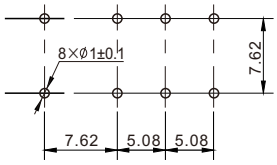
Safety approval	UL & CUR	TüV
Load	2A/30VDC; 1A/125VAC, 24VDC	1A/125VAC; 24VDC

Dimensions

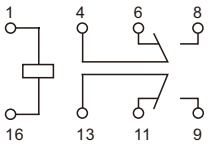
mm



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

Reference Data