

FORWARD RELAYS



21×10×12

N4078

 R50126375
  E158859

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 0.2

1 2 3 4

1 Part number : N4078

2 Contact arrangement : 2C:2C:

3 Coil rated voltage(V) : DC:5,6,12,24

4 Coil power consumption: 0.2:0.2W; 0.36:0.36

Contact Data

Contact Arrangement		2C (DPDT (B-M))	
Contact Material		Ag,AgNi(Au clad)	
Contact Rating (resistive)		2A/30VDC,1A/125VAC	
Max. Switching Power		60W 125VA	
Max. Switching Voltage		30VDC 125VAC	Max.Switching Current:2A
Contact Resistance or Voltage drop		≤50mΩ	Item 4.12 of IEC 61810-7
Operational life	Electrical	1x10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	1x10 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%	Pick up voltage VDC (max) (70% of rated voltage)	Release voltage VDC (min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max						
005-360	5	6.5	70	3.50	0.5	0.36	≤6	≤5
006-360	6	7.8	100	4.20	0.6			
012-360	12	15.6	400	8.40	1.2			
024-360	24	31.2	1600	18.0	2.4			

ART. 04/07467-00

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.

ELCART DISTRIBUTION SPA via Michelangelo Buonarroti, 46 - 20093 Cologno Monzese (Milano) ITALY
 Tel. +39 02.25117310 - www.elcart.com - tecnico@elcart.it - industria@elcart.it - sicurezza.prodotti@elcart.it

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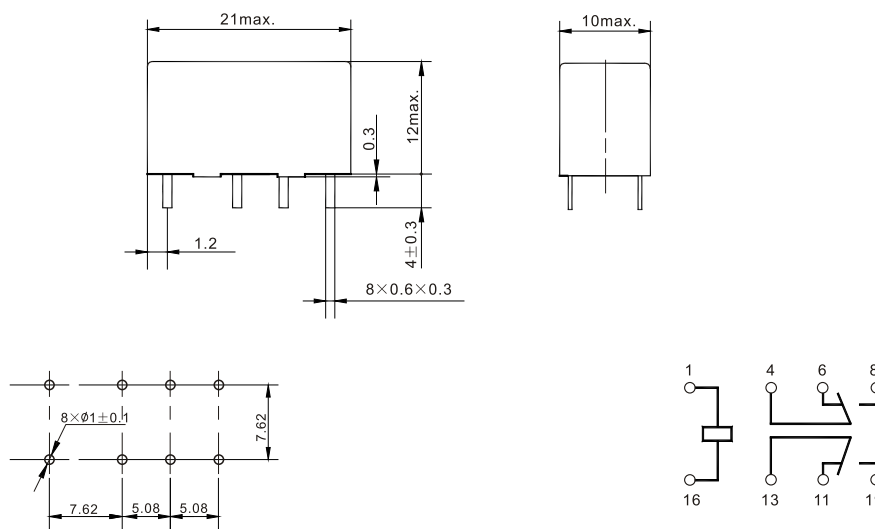
Operation condition

Insulation Resistance	500M Ω min (at 500VDC)	IEC 61810-7
Dielectric Strength		
Between contacts	50Hz 500V	IEC 61810-7
Between contact and coil	50Hz 1000V	IEC 61810-7
Shock resistance	490m/s ² 11ms	IEC 61810-7
Vibration resistance	10Hz~70Hz double amplitude 1.5mm	IEC 61810-7
Terminals strength	5N	IEC 61810-7
Solderability	235°C $\pm$ 2°C 3s $\pm$ 0.5s	IEC 61810-7
Ambient Temperature	-30°C~70°C	
Relative Humidity	85% (at 40°C)	IEC 61810-7
Mass	5.5g	

Safety approvals

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

Dimensions mm



NOTES 1).Dimensions are in millimeters.

2).Inch equivalents are given for general information only.

Reference Data

