



18.4 × 15.2 × 10.2

NT77



R50126372



us E169380

Features

- Super light in weight.
- High sensitivity.
- 12A switching capacity.
- PC board mounting.

Ordering Information

NT77 **A** **S** **10** **DC12V**
1 2 3 4 5

1 Part number: NT77

2 Contact arrangement: A:1A

3 Enclosure: S: Wash tight: NIL: Flux proof

4 Contact rating: 10:10A; 12:12A

5 Coil rated voltage(V): DC:3,5,6,9,12,18,24

Contact Data

Contact Arrangement	1A(SPSTNO)		
Contact Material	AgSnO ₂		
Contact Rating	10A/277VAC,30VDC; 12A/125VAC,250VAC,30VDC		
Max. Switching Power	360W 3000VA		
Max. Switching Voltage	30VDC 277VAC	Max. Switching Current:12A	
Contact Resistance	≤100mΩ	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	

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (75%of rated voltage)	Drop-out voltage VDC(min) (5% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
3	3.3	20	2.25	0.15	0.45	≤8	≤5
5	5.5	56	3.75	0.25			
6	6.6	80	4.50	0.30			
9	9.9	180	6.75	0.45			
12	13.2	320	9.00	0.60			
18	19.8	720	13.5	0.90			
24	26.4	1280	18.0	1.20			

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

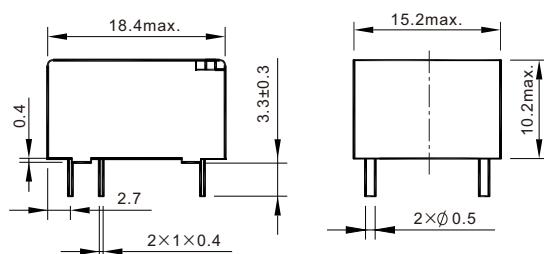
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	1000VAC 1min 2500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	6g	Item 4.7 of IEC 61810-7

Safety Approvals

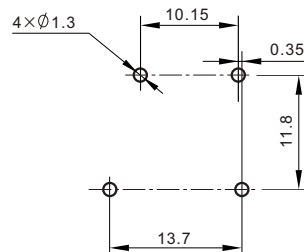
Safety approval	UL&CUR	TüV
Load	12A/125VAC; 10A/277VDC; 30VDC	12A/250VAC,30VDC

Dimensions

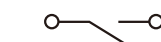
mm



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

