

NT78



15.7×12.3×14

c us E160644 13002099050

Features

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

Ordering Information

NT78 **C** **S** **0.6** **DC12V**

- | | |
|---|---------------------------------------|
| 1 Part number: NT78 | 4 Coil power: 0.6:0.6W; 0.8:0.8W |
| 2 Contact arrangement: A:1A; B:1B; C:1C; U:1U | 5 Coil rated voltage(V): DC:6,9,12,24 |
| 3 Enclosure: S:Wash tight; NIL:Flux proof | |

Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M)) 1U(SPSTNODM)		
Contact Material	AgSnO ₂		
Contact Rating	NO:20A/14VDC 10A/120VAC,5A/250VAC NC:10A/14VDC,10A/120VAC,5A/250VAC		IA:30A/14VDC IU:2×10A/14VDC
	Motor load : ½HP 125VAC		
	TV-5		
Max. Switching Power	420W 1250VA		
Max. Switching Voltage	30VDC 277VAC		Max. Switching Current:30A
Voltage Drop(Initial)	Typ.: 50mV(at 10A)		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) (80% of rated voltage)	Drop-out voltage VDC(min) (5% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
6	6.6	60	4.8	0.30	0.6	≤10	≤5
9	9.9	135	7.2	0.45			
12	13.2	240	9.6	0.60			
24	26.4	960	19.2	1.20			
6	6.6	45	4.8	0.30	0.8	≤10	≤5
9	9.9	102	7.2	0.45			
12	13.2	180	9.6	0.60			
24	26.4	720	19.2	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

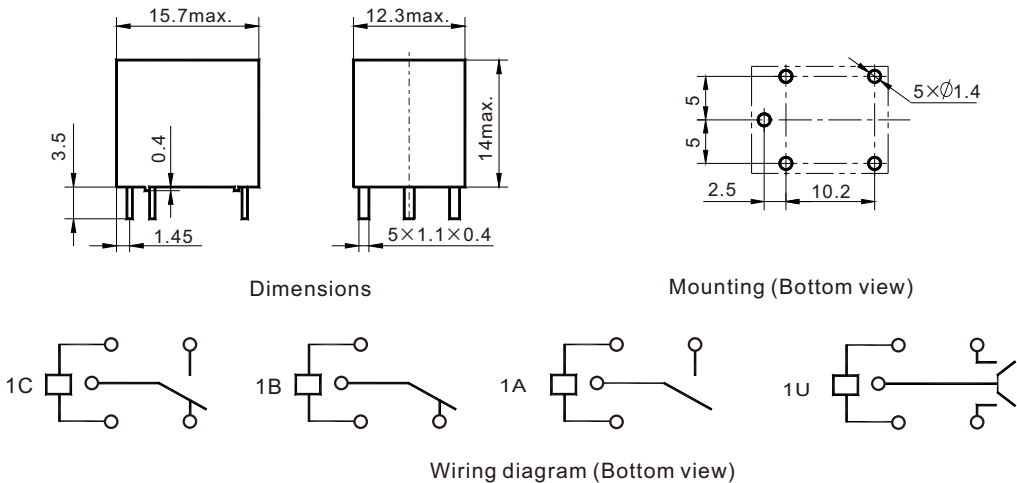
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	500VAC 1min 500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	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	CQC
Load	NO: 20A/14VDC; 10A/120VAC NC: 10A/14VDC ½HP 125VAC TV-5	5A/250VAC

Dimensions

mm



Remark: In case of no tolerance shown in outline dimension: outline dimensions≤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

