

NT78



15.7×12.3×14

UL E160644 CQC 03001003504

Patent No.: 99206529.1
200520013192.6

| Features |
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| <ul style="list-style-type: none"> Small size, lightweight. 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 |
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| NT78 C S 10 DC12V 0.6 1 2 3 4 5 6 |
| 1 Part number: NT78 2 Contact arrangement: A:1A; B:1B; C:1C; U:1U 3 Enclosure: S: Sealed type; NIL: Dust cover |
| 4 Contact rating: 5A,10A/14VDC; 10A/120VAC; 5A/250VAC 5 Coil rated voltage(V): DC:6,9,12,24 6 Coil power consumption: 0.6:0.6W; 0.8:0.8W |

| Contact Data | |
|------------------------------------|---|
| Contact Arrangement | 1A (SPSTNO) 1B (SPSTNC) 1C (SPDT(B-M)) 1U (SPSTNODM) |
| Contact Material | AgCdO AgSnO ₂ |
| Contact Rating (resistive) | NO:20A/14VDC 10A/120VAC,5A/250VAC NC:15A/14VDC,10A/120VAC,5A/250VAC IU:2×10A/14VDC Motor load : 1/2HP 125VAC Lamp load : TV-5 |
| Max. Switching Power | 280W 1250VA |
| Max. Switching Voltage | 42VDC 380VAC Max. Switching Current:20A |
| Contact Resistance or Voltage drop | ≤50mΩ 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 |

| Coil Parameter | | | | | | | | |
|----------------|------------------|------|------------------------|--|--|--------------------------|-----------------|-----------------|
| Dash numbers | Coil voltage VDC | | Coil resistance Ω ±10% | Pickup voltage VDC(max) (80% of rated voltage) | Release voltage VDC(min) (5% of rated voltage) | Coil power consumption W | Operate Time ms | Release Time ms |
| | Rated | Max. | | | | | | |
| 006-600 | 6 | 6.6 | 60 | 4.8 | 0.30 | 0.6 | ≤10 | ≤5 |
| 009-600 | 9 | 9.9 | 135 | 7.2 | 0.45 | | | |
| 012-600 | 12 | 13.2 | 240 | 9.6 | 0.60 | | | |
| 024-600 | 24 | 26.4 | 960 | 19.2 | 1.20 | | | |
| 006-800 | 6 | 6.6 | 45 | 4.8 | 0.30 | 0.8 | ≤10 | ≤5 |
| 009-800 | 9 | 9.9 | 102 | 7.2 | 0.45 | | | |
| 012-800 | 12 | 13.2 | 180 | 9.6 | 0.60 | | | |
| 024-800 | 24 | 26.4 | 720 | 19.2 | 1.20 | | | |

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.

| Operation condition | | |
|-----------------------|--------------------------------|-----------------------------|
| Insulation Resistance | 100MΩ min (at 500VDC) | Item 7 of IEC 61810-5 |
| Dielectric Strength | Between contacts | 50Hz 500V |
| | Between contact and coil | 50Hz 500V |
| Shock resistance | 100m/s ² 11ms | IEC68-2-27 Test Ea |
| Vibration resistance | 10~55Hz double amplitude 1.5mm | IEC68-2-6 Test Fc |
| Terminals strength | 10N | IEC68-2-21 Test Ua1 |
| Solderability | 235°C ±2°C 3±0.5s | IEC68-2-20 Test Ta method 1 |
| Ambient Temperature | -40~85°C | |
| Relative Humidity | 85% (at 20°C) | IEC68-2-3 Test Ca |
| Mass | 6g | |

| Safety approval | UL&CUR | CQC |
|-----------------|--|-----------|
| Load | NO: 20A/14VDC 10A/120VAC NC: 10A/14VDC 1/2HP 125VAC TV-5 | 5A/250VAC |

Dimensions mm /inch

Dimensions

Mounting (Bottom view)

Wiring diagram (Bottom view)

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

