
(coc) 13002098872
$29 \times 21.5 \times 15.3$

## Features

- 50A switching capability.
- Max. switching power can achieve 13850VA.
- Size decreased of $1 / 3$ compared with the same pin relay.
- 4 kV dielectric strength between the coil and contact.
- New energy relay.
- Operated in machine tool electric appliance, electric equipment, air conditionerand various household appliances.

| Ordering Information |  |
| :---: | :---: |
| $\underline{\text { NT99 }}$ W A E $\underline{\text { E }}$ |  |
| $\begin{array}{llllll}2 & 3 & 4 & 5 & 6 & 7\end{array}$ |  |
| 1 Part number: NT99 <br> 2 Common pinand N.O pin width: Nil:stand; W:3.3mm <br> 3 Contact arrangement: A:1A; B:1B; C:1C <br> 4 Enclosure: S: Washtight ; E: Flux proof | 5 Contact material: $\mathrm{S}: \mathrm{AgSnO}_{2}$ <br> 6 Coil power: $0.9: 0.9 \mathrm{~W}$; 1.2:1.2W <br> 7 Coil rated voltage(V): DC:5,6,9,12,24,48 |

## Contact Data

| Contact Arrangement |  | 1A(SPSTNO) 1B(SPSTNC) | 1C(SPDT(B-M)) |
| :---: | :---: | :---: | :---: |
| Contact Material |  | $\mathrm{AgSnO}_{2}$ |  |
| Contact Rating (Resistive) |  | 0.9W | 1.2W |
|  |  | NO:30A,40A/277VAC,30VDC NC:20A,30A/277VAC,30VDC | NO:50A/277VAC NC:35A/277VAC |
|  |  | TV-8, 5A/280VAC(Ballast) Motor load:NO:2HP 250VAC NC:1 $\frac{1}{2}$ HP 250VAC |  |
| Max. Switching Power |  | 1200W 13850VA |  |
| Max. Switching Voltage |  | 30VDC 277VAC | Max. Switching Current:50A |
| Contact Resistance |  | $\leqslant 30 \mathrm{~m} \Omega$ | Item 4.12 of IEC 61810-7 |
| Operation <br> Life | Electrical | NO:50A/277VAC $40^{\circ} \mathrm{C} 1 \times 10^{4}$ <br> NC:35A/277VAC $40^{\circ} \mathrm{C} 1 \times 10^{4}$ <br> NO:40A/277VAC $40^{\circ} \mathrm{C} 3 \times 10^{4}$ <br> NC:30A/277VAC $40^{\circ} \mathrm{C} 3 \times 10^{4}$ HP <br> NO: 2HP 250VAC $3 \times 10^{4}$ <br> NC: $1 \frac{1}{2} H P 250 V A C \quad 3 \times 10^{4}$ <br> TV-8 250VAC $2.5 \times 10^{4}$ |  |
|  | Mechanical | $1 \times 10^{7}$ | Item 4.31 of IEC 61810-7 |

Note:Remove vent nib after soldering and cleaning.

## Coil Parameter

| Dash numbers | Rated voltage VDC |  | Coil resistance $\Omega \pm 10 \%$ | Pick-up voltage VDC(max) (75\%of rated voltage) | Drop-out voltage VDC(min) (10\%of rated voltage) | Coilpower W | Operate time ms | Release time ms |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Rated | Max |  |  |  |  |  |  |
| 005-900 | 5 | 6.5 | 28 | 3.75 | 0.5 | 0.9 | $\leqslant 15$ | $\leqslant 10$ |
| 006-900 | 6 | 7.8 | 40 | 4.50 | 0.6 |  |  |  |
| 009-900 | 9 | 11.7 | 90 | 6.75 | 0.9 |  |  |  |
| 012-900 | 12 | 15.6 | 160 | 9.00 | 1.2 |  |  |  |
| 024-900 | 24 | 31.2 | 640 | 18.00 | 2.4 |  |  |  |
| 048-900 | 48 | 62.4 | 2560 | 36.00 | 4.8 |  |  |  |
| 005-1200 | 5 | 6.5 | 20.8 | 3.75 | 0.5 | 1.2 |  |  |
| 006-1200 | 6 | 7.8 | 30 | 4.50 | 0.6 |  |  |  |
| 009-1200 | 9 | 11.7 | 67.5 | 6.75 | 0.9 |  |  |  |
| 012-1200 | 12 | 15.6 | 120 | 9.00 | 1.2 |  |  |  |
| 024-1200 | 24 | 31.2 | 480 | 18.00 | 2.4 |  |  |  |
| 048-1200 | 48 | 62.4 | 1920 | 36.00 | 4.8 |  |  |  |

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.

Safety Approvals

| Safety approval | UL\&CUR | TÜV | CQC |
| :---: | :---: | :---: | :---: |
|  | NO:50A/277VAC | NO:50A/277VAC | NO:50A/277VAC |
|  | NC:35A/277VAC | NC:35A/277VAC | NC:35A/277VAC |
|  | NO:40A/277VAC | NO:40A/277VAC | NO:40A/277VAC |
|  | NC:30A/277VAC | NC:30A/277VAC | NC:30A/277VAC |
|  | HP |  |  |
|  | NO: 2HP 250VAC |  |  |
|  | NC: 11 HP 250VAC |  |  |
|  | TV-8 250VAC |  |  |

## Characteristics

| Insulation Resistance | $1000 \mathrm{M} \Omega \min ($ at 500 VDC$)$ | Item 4.11 of IEC 61810-7 |
| :--- | :--- | :--- |
| Dielectric Strength |  |  |
| Between Contacts | 50 Hz 1500 V |  |
| Between Contact and Coil | 50 Hz 4000 V | Item 4.9 of IEC 61810-7 |
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