

N4099(JZC-7F)



22×16.5×16.5



| Features | |
|--|--|
| <ul style="list-style-type: none"> • Small size, light weight, Low price. • Sensitive operation, good synchronism. • Low coil power consumption. • PC board mounting. • Suitable for electrical application, telecommunication, automatic control, wireless radio remote control and sound control toy application. | |

| Ordering Information | |
|---|-----|
| N4099 12D E | |
| 1 | 2 3 |
| 1 Part number: N4099(JZC-7F) | |
| 2 Coil rated voltage(V): DC:3,6,9,12,24,48 | |
| 3 Enclosure: E: Sealed type; NIL:Dust cover | |

| Contact Data | |
|------------------------------------|---|
| Contact Arrangement | 2A(DPSTNO) 2B(DPSTNC) 2C(DPDT(B-M)) |
| Contact Material | AgCdO (Au clad) AgSnO ₂ (Au clad) AgNi (Au clad) |
| Contact Rating (resistive) | 1A,2A,3A/277VAC,30VDC; 0.6W:3A,5A,10A/277VAC,30VDC 6A/125VAC |
| Max. Switching Power | 0.5W:90W 850VA; 0.6W:300W 2770VA |
| Max. Switching Voltage | 50VDC 380VAC Max. Switching Current:10A |
| 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 |

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.

| Dash numbers | Coil voltage VDC | | Coil resistance Ω ±10% | Pickup voltage VDC(max) (75%of rated voltage) | Release voltage VDC(min) (10% of rated voltage) | Coil power consumption W | Operate Time ms | Release Time ms |
|--------------|------------------|------|------------------------|---|---|--------------------------|-----------------|-----------------|
| | Rated | Max. | | | | | | |
| 003-500 | 3 | 3.9 | 20 | 2.25 | 0.3 | 0.45 | <10 | <5 |
| 006-500 | 6 | 7.8 | 80 | 4.50 | 0.6 | | | |
| 009-500 | 9 | 11.7 | 180 | 6.75 | 0.9 | | | |
| 012-500 | 12 | 15.6 | 320 | 9.00 | 1.2 | | | |
| 024-500 | 24 | 31.2 | 1280 | 18.0 | 2.4 | | | |
| 048-500 | 48 | 62.4 | 5120 | 36.0 | 4.8 | | | |
| 003-600 | 3 | 3.9 | 18 | 2.25 | 0.3 | 0.5 | <10 | <5 |
| 006-600 | 6 | 7.8 | 72 | 4.50 | 0.6 | | | |
| 009-600 | 9 | 11.7 | 162 | 6.75 | 0.9 | | | |
| 012-600 | 12 | 15.6 | 288 | 9.00 | 1.2 | | | |
| 024-600 | 24 | 31.2 | 1152 | 18.0 | 2.4 | | | |
| 048-600 | 48 | 62.4 | 4608 | 36.0 | 4.8 | | | |
| 003-600 | 3 | 3.9 | 15 | 2.25 | 0.3 | 0.6 | <10 | <5 |
| 006-600 | 6 | 7.8 | 60 | 4.50 | 0.6 | | | |
| 009-600 | 9 | 11.7 | 135 | 6.75 | 0.9 | | | |
| 012-600 | 12 | 15.6 | 240 | 9.00 | 1.2 | | | |
| 024-600 | 24 | 31.2 | 960 | 18.0 | 2.4 | | | |
| 048-600 | 48 | 62.4 | 3840 | 36.0 | 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.

Operation condition

| | | |
|-----------------------|---------------------------|------------------------------|
| Insulation Resistance | 100MΩ min (at 500VDC) | Item 7 of IEC 60255-5 |
| Dielectric Strength | Between contacts | 50Hz 750V |
| | Between contact and coil | 50Hz 1000V |
| Item 6 of IEC 60255-5 | | Item 6 of IEC 60255-5 |
| Item 6 of IEC 60255-5 | | Item 6 of IEC 60255-5 |
| Shock resistance | 100m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10Hz~55Hz amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 10N | IEC 68-2-21 Test Ua1 |
| Solderability | 235°C ± 2°C 3s ± 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -40°C~70°C | |
| Relative Humidity | 85% (at 40°C) | IEC 68-2-3 Test Ca |
| Mass | 12g | |

Safety approvals

| Safety approval | UL&CUR | CQC |
|-----------------|---------------------------------|-----------|
| Load | 5A/277VAC 30VDC 6A/125VAC,30VDC | 5A/277VAC |

Dimensions

mm /inch

Dimensions

Mounting (Bottom view)

2A 2B 2C

Wiring diagram(Bottom view)

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

Reference Data

