



JZC-22F JZC-22F₂



Features

- Small size, light weight .Low coil power consumption.
- Switching capacity can reach 20A.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument and meter application. TV-5, TV-8 Remote control TV receivers, monitor display, audio equipment high and rushing current application.

Ordering Information

JZC-22F S C 5 D DC12V
 1 2 3 4 5 6

| | |
|---|--|
| 1 Part number: JZC-22F JZC-22F ₂ | 4 Contact rating: 5A,7A,12A,15A/125VAC 28VDC; 3A,6A,7A/220VAC; 6A/250VAC TV-5; (JZC-22F ₂ : 20A/125VAC 28VDC;10A/250VAC; 1/HP 120VAC;TV-10 120VAC) |
| 2 Enclosure: S: Sealed type; F: Dust cover | |
| 3 Contact arrangement: A:1A; B:1B; C:1C | |
| | 5 Coil power consumption: L:0.36W; D:0.45W |
| | 6 Coil rated voltage(V): DC:3,6,9,12,24,48 |

Contact Data

| | |
|-----------------------------------|---|
| Contact Arrangement | 1A (SPSTNO) 1B (SPSTNC) 1C (SPDT(B-M)) |
| Contact Material | AgCdO AgSnO ₂ |
| Contact Rating | resistive:5A,7A,12A,15A,20A/125VAC,28VDC; 3A,6A,7A,10A/220VAC ; inductive:10A/250VAC; 15A/28VDC (rushing current 80A) (JZC-22FT only) Lamp:TV-5,120VAC,240VAC note:1) 20A/125VAC,28VDC & 10A/250VAC; TV-10,120VAC 1/4HP 120VACJZC-22F ₂ only |
| Max. Switching Power | 450W 2500VA |
| Max. Switching Voltage | 110VDC 380VAC |
| Contact Resistance & Voltage drop | Max. Switching Current:20A rushing current 80A Item 4.12 of IEC 61810-7 |
| Operation 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) (75%of rated voltage) | Release voltage VDC(min) (10% of rated voltage) | Coil power consumption W | Operate Time ms | Release Time ms |
|--------------|------------------|------|------------------------|--|---|--------------------------|-----------------|-----------------|
| | Rated | Max. | | | | | | |
| 003-360 | 3 | 3.9 | 25 | 2.25 | 0.3 | 0.36 | <15 | <5 |
| 006-360 | 6 | 7.8 | 100 | 4.50 | 0.6 | | | |
| 009-360 | 9 | 11.7 | 225 | 6.75 | 0.9 | | | |
| 012-360 | 12 | 15.6 | 400 | 9.00 | 1.2 | | | |
| 024-360 | 24 | 31.2 | 1600 | 18.0 | 2.4 | | | |
| 048-360 | 48 | 62.4 | 6400 | 36.0 | 4.8 | | | |
| 003-450 | 3 | 3.9 | 20 | 2.25 | 0.3 | 0.45 | <15 | <5 |
| 006-450 | 6 | 7.8 | 80 | 4.50 | 0.6 | | | |
| 009-450 | 9 | 11.7 | 180 | 6.75 | 0.9 | | | |
| 012-450 | 12 | 15.6 | 320 | 9.00 | 1.2 | | | |
| 024-450 | 24 | 31.2 | 1280 | 18.0 | 2.4 | | | |
| 048-450 | 48 | 62.4 | 5120 | 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 | 50Hz 750V | Item 6 of IEC 60255-5 |
| Between contacts | 50Hz 1500V 50Hz;JZC-22F ₂ : 2500V; | Item 6 & Item 8 of IEC 60255-5 |
| Between contact and coil | | |
| Shock resistance | 100m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10~55Hz double amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 10N | IEC 68-2-21 Test Ua1 |
| Solderability | 235°C ± 2°C 3 ± 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -40~85°C (JZC-22F :70°C) | |
| Relative Humidity | 85% (at 40°C) | IEC 68-2-3 Test Ca |
| Mass | 13g . 16g(JZC-22F ₂) | |

Safety approvals

| Safety approval | UL&CUR | VDE | TU V | CQC |
|-----------------|--|---|--|---|
| Load | 15A/125VAC,28VDC TV-5 TV-10(22F ₂),120VAC | 22F ₂ : 10A/250VAC 28VDC | 22F:6A/240VAC 10A/250VDC 15A/28VDC 22F ₂ : 10A/250VAC | 6A/250VAC 22F ₂ :15A/125VAC |

Dimensions

mm /inch

Mounting (Bottom view)

Wiring diagram (Bottom view)

Dimensions

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

Reference Data

