# JZC-22F

20.3×16.8×20.2

c UL us E169380 R50181861

## Features

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

## Ordering Information

| JZC-22F | S | C | 5 | D | 12VDC |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |

1 Part number: JZC-22F
2 Enclosure: S: Wash tight; F: Flux proof
3 Contact arrangement: A:1A; C:1C
4 Contact rating: 3:3A; 5:5A; 6:6A; 7:7A; 12:12A; 15:15A
5 Coil power: L:0.36W; D:0.45W
6 Coil rated voltage(V): DC: 3,5,6,9,12,24,48

## Contact Data

| | | |
|---|---|---|
| Contact Arrangement | 1A(SPSTNO) 1C(SPDT(B-M)) | |
| Contact Material | $AgSnO_2$ | |
| Contact Rating | 5A,7A,12A,15A/125VAC,28VDC;3A,6A,7A/220VAC;6A/250VAC<br>TV-5,120VAC,240VAC | |
| Max. Switching Power | 420W 1875VA | |
| Max. Switching Voltage | 30VDC 277VAC | Max. Switching Current:15A |
| Contact Resistance | ≤100mΩ | Item 4.12 of IEC 61810-7 |
| Electrical Endurance | $1\times10^5$ | Item 4.30 of IEC 61810-7 |
| Mechanical Endurance | $1\times10^7$ | Item 4.31 of IEC 61810-7 |

## Coil Parameter

| Coil voltage VDC | | Coil resistance Ω ± 10% | Pick-up voltage VDC(max) (75%of rated voltage ) | Drop-out voltage VDC(min) (10% of rated voltage) | Coil power W | Operate time ms | Release time ms |
|---|---|---|---|---|---|---|---|
| Rated | Max. | | | | | | |
| 3 | 3.9 | 25 | 2.25 | 0.3 | 0.36 | ≤15 | ≤5 |
| 5 | 6.5 | 69.4 | 3.75 | 0.5 | | | |
| 6 | 7.8 | 100 | 4.50 | 0.6 | | | |
| 9 | 11.7 | 225 | 6.75 | 0.9 | | | |
| 12 | 15.6 | 400 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1600 | 18.0 | 2.4 | | | |
| 48 | 62.4 | 6400 | 36.0 | 4.8 | | | |
| 3 | 3.9 | 20 | 2.25 | 0.3 | 0.45 | ≤15 | ≤5 |
| 5 | 6.5 | 55.6 | 3.75 | 0.5 | | | |
| 6 | 7.8 | 80 | 4.50 | 0.6 | | | |
| 9 | 11.7 | 180 | 6.75 | 0.9 | | | |
| 12 | 15.6 | 320 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1280 | 18.0 | 2.4 | | | |
| 48 | 62.4 | 5120 | 36.0 | 4.8 | | | |

**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

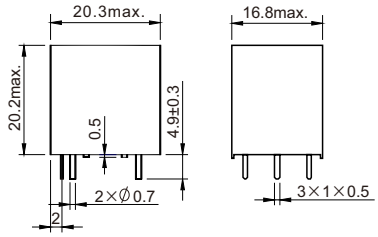
| | | |
|---|---|---|
| Insulation Resistance | 100MΩ min (at 500VDC) | Item 4.11 of IEC 61810-7 |
| Dielectric Strength<br>Between Open Contacts<br>Between Contact and Coil | <br>750VAC 1min<br>1500VAC 1min | Item 4.9 of IEC 61810-7 |
| Shock Resistance | 98m/s$^2$ 11ms | Item 4.26 of IEC 61810-7 |
| 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℃~70℃ | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 61810-7 |
| Weight (Approx.) | 13g | Item 4.7 of IEC 61810-7 |

## Safety Approvals

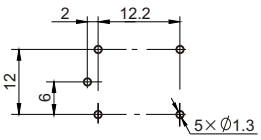
| Safety approval | UL&CUR | TüV |
|---|---|---|
| Load | 15A/125VAC,28VDC<br>TV-5 120VAC,240VAC | 6A/240VAC<br>10A/28VDC |

## Dimensions

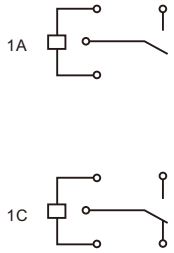
mm




Dimensions




Mounting
(Bottom view)

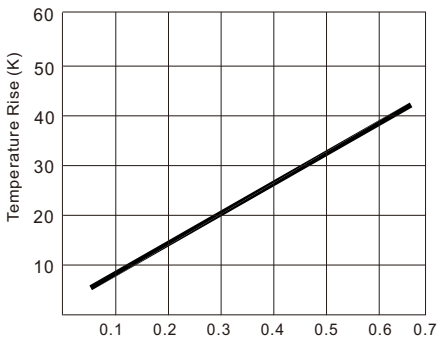


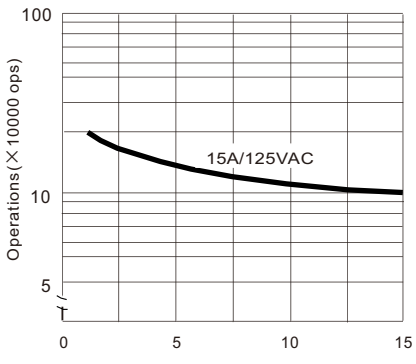

Wiring diagram
(Bottom view)

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

Coil Temperature Rise




Endurance Curve