



21.3×16.2×20.8

# JZC-22F<sub>3</sub>



40027380

us E174722

## Features

- Small size, light weight .Low coil power consumption.
- Switching capacity can reach 20A.
- High dielectric strength.
- 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<sub>3</sub>**   **D**   **S**   **C**   **20**   **D**   **12VDC**   **F**  
 1            2            3            4            5            6            7            8

- |  |  |
|--|--|
| 1 Part number: JZC-22F <sub>3</sub><br>2 Terminal: NIL:Standard D:double terminals<br>D1:double terminals(without pin 7 )<br>3 Enclosure: S: Wash tight;<br>F: Flux proof<br>4 Contact arrangement: A:1A; B:1B; C:1C | 5 Contact rating: 12A,15A,20A/125VAC 28VDC;7A/400VAC<br>5A,10A,16A/250VAC; 16A/277VAC<br>6 Coil power: L:0.36W; D:0.45W<br>7 Coil rated voltage(V): DC:3,5,6,9,12,24,48<br>8 Resist heat class: NIL:Standard; F:155℃ |
|--|--|

## Contact Data

|                           |   |
|---------------------------|---|
| Contact Arrangement       | 1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))   |
| Contact Material          | AgSnO <sub>2</sub>  |
| Contact Rating(Resistive) | 5A,7A,12A,15A,20A/125VAC,28VDC; 16A/277VAC;7A/400VAC<br>5A,10A,16A/250VAC<br>TV-8 125VAC<br>Motor Load:NO:1HP(16FLA) 125VAC,(8FLA)250VAC<br>NC: 1/2HP(9.8FLA) 125VAC,(4.9FLA)250VAC |
| Max. Switching Power      | 560W 4450VA   |
| Max. Switching Voltage    | 30VDC 400VAC                      Max. Switching Current:20A  |
| Contact Resistance        | ≤100mΩ                                      Item 4.12 of IEC 61810-7  |
| Operation Life            | Electrical                      1×10 <sup>5</sup> Item 4.30 of IEC 61810-7  |
|                           | Mechanical                      1×10 <sup>7</sup> Item 4.31 of IEC 61810-7  |

**CAUTION:** 1.For the intermediate current, it only applies to the room temperature.

## Coil Parameter

| Dash numbers | Coil voltage VDC |      | Coil resistance Ω ± 10% | Pic-kup 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. |                         |   |  |              |                 |                 |
| 003-360      | 3                | 3.9  | 25                      | 2.25  | 0.3  | 0.36         | ≤15             | ≤5              |
| 005-360      | 5                | 6.5  | 69.4                    | 3.75  | 0.5  |              |                 |                 |
| 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  |              |                 |                 |
| 005-450      | 5                | 6.5  | 55.6                    | 3.75  | 0.5  |              |                 |                 |
| 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.

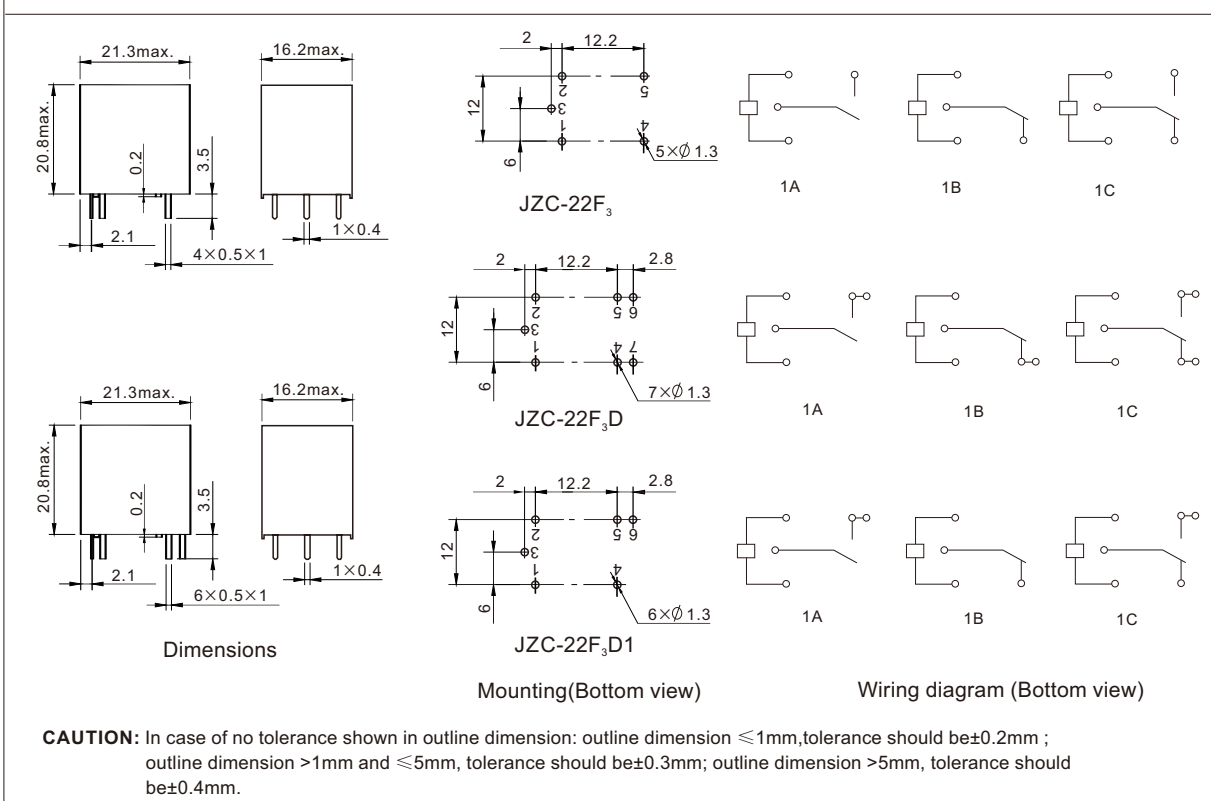
## Characteristics

|   |   |  |
|---|---|--|
| Insulation Resistance   | 100M $\Omega$ min (at 500VDC)           | Item 4.11 of IEC 61810-7                           |
| Dielectric Strength<br>Between Contacts<br>Between Contact and Coil | 50Hz 1000V<br>2500V Surge Voltage:4000V | Item 4.9 of IEC 61810-7<br>Item 4.9 of IEC 61810-7 |
| Shock Resistance  | 98m/s <sup>2</sup> 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 $^{\circ}$ C~105 $^{\circ}$ C       |  |
| Relative Humidity   | 5% to 85%                               | Item 4.16 of IEC 61810-7                           |
| Mass  | 14g                                     | Item 4.7 of IEC 61810-7                            |

## Safety Approvals

| Safety approval | UL&CUR   | VDE                         |
|-----------------|--|-----------------------------|
| Load            | 16A/277VAC; 20A/125VAC ;10A/250VAC<br>TV-8 125VAC<br>NO:1HP(16FLA) 125VAC,(8FLA)250VAC;<br>NC: 1/2HP(9.8FLA) 125VAC,(4.9FLA)250VAC | 10A,16A/250VAC<br>7A/400VAC |

## Dimensions



## Reference Data

