



20.3×16.8×20.2

# JZC-22F

UL US E158859

R50181861

CEC 13002098866

## 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                      | 4 Contact rating: 5A,7A,12A,15A/125VAC 28VDC ;<br>3A,6A,7A/220VAC ; 6A/250VAC |
| 2 Enclosure: S:Wash tight ;<br>F:Flux proof | 5 Coil power: L:0.36W ; D:0.45W   |
| 3 Contact arrangement: A:1A ; C:1C          | 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 <sub>2</sub> , AgCdO   |   |
| Contact Rating(Resistive) | 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                      |
| Operation Life            | Electrical   | 1×10 <sup>5</sup><br>Item 4.30 of IEC 61810-7 |
|                           | Mechanical   | 1×10 <sup>7</sup><br>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% | 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. |                         |   |  |              |                 |                 |
| 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  | 0.45         | ≤15             | ≤5              |
| 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

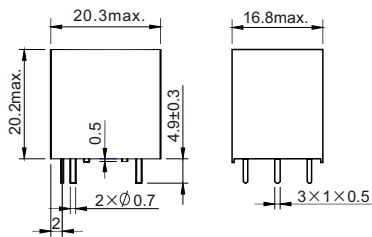
|   |                                  |  |
|---|----------------------------------|--|
| Insulation Resistance   | 100M $\Omega$ min (at 500VDC)    | Item 4.11 of IEC 61810-7                           |
| Dielectric Strength<br>Between Contacts<br>Between Contact and Coil | 50Hz 750V<br>50Hz 1500V 50Hz     | 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°C~70°C                       |  |
| Relative Humidity   | 5% to 85%                        | Item 4.16 of IEC 61810-7                           |
| Mass  | 13g                              | Item 4.7 of IEC 61810-7                            |

## Safety Approvals

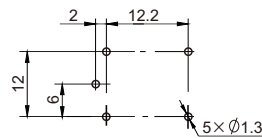
| Safety approval | UL&CUR                                   | TUV                    | CQC       |
|-----------------|--|------------------------|-----------|
| Load            | 15A/125VAC,28VDC<br>TV-5 ,120VAC, 240VAC | 6A/240VAC<br>10A/28VDC | 6A/250VAC |

## Dimensions

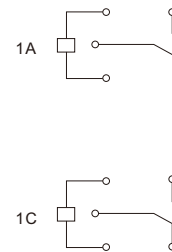
mm



Dimensions



Mounting  
(Bottom view)



Wiring diagram  
(Bottom view)

**CAUTION:** In case of no tolerance shown in outline dimension: outline dimension  $\leq 1$ mm, tolerance should be  $\pm 0.2$ mm ;  
outline dimension  $> 1$ mm and  $\leq 5$ mm, tolerance should be  $\pm 0.3$ mm; outline dimension  $> 5$ mm, tolerance should be  $\pm 0.4$ mm.

## Reference Data

