### Features
- Small size, light weight, heavy reverse power.
- Functional mounting ways.
- Firm structure, strong anti-shock & anti-vibration.
- Suitable for automatic control, telecommunication equipment, household electrical appliances and machinery electrical facilities.

### Ordering information

<table>
<thead>
<tr>
<th>JQX-13F</th>
<th>2C</th>
<th>DC12V</th>
<th>1 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1. Part number: JQX-13F</td>
<td>2. Contact arrangement: 1A-1A, 2A-2A, 3A-3A, 1B-1B, 2B-2B, 3B-3B, 1C-1C, 2C-2C, 3C-3C, 4A-4A, 4B-4B, 4C-4C</td>
<td>3. Terminal: a: Inserting type, b: PCB type</td>
<td></td>
</tr>
</tbody>
</table>

### Contact Data

<table>
<thead>
<tr>
<th>Part number: JQX-13F</th>
<th>2C</th>
<th>DC12V</th>
<th>1 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Contact Material:</td>
<td>1DC</td>
<td>×2,×2,×2</td>
<td>1F</td>
</tr>
<tr>
<td>2. Contact Arrangement:</td>
<td>1A(1H) (SPSTNO)</td>
<td>2A(2H) (DPSTNO)</td>
<td>3A(3H) (SPSTNO)</td>
</tr>
<tr>
<td>3. Contact Rating:</td>
<td>2A(2H) (DPSTNO)</td>
<td>3A(3H) (SPSTNO)</td>
<td>4A(4H) (DPSTNO)</td>
</tr>
<tr>
<td>4. Resistor:</td>
<td>3A, 220Ω</td>
<td>240Ω, 220Ω</td>
<td>352Ω</td>
</tr>
<tr>
<td>5. Motor load:</td>
<td>230V AC, 240V AC</td>
<td>80W</td>
<td>2.5VA</td>
</tr>
<tr>
<td>6. Max. switching voltage:</td>
<td>300V DC, 500V AC</td>
<td>1000V DC, 1500V AC</td>
<td>2000V AC</td>
</tr>
<tr>
<td>7. Max. switching power:</td>
<td>500W</td>
<td>550VA</td>
<td>Max.sw. Currnt 20A</td>
</tr>
</tbody>
</table>

### Operation condition

- **Insulation Resistance**: 1000MΩ (min. at 500VDC)
- **Dielectric Strength**
  - Between contacts: 50Hz 1500V AC
  - Between contact and coil: 50Hz 1500V AC
- **Shock resistance**: 100m/s², 11ms
- **Vibration resistance**: 10-55Hz, double amplitude, 1.5mm
- **Terminals strength**: 8N 4PC type
- **Solderability**: 25°C ± 2°C, 3 s ± 0.5s
- **Ambient Temperature**: -40-70°C, -25-70°C (3C, 4C)
- **Relative Humidity**: 85% (at 30°C)
- **Mass**: 315g(2C, 50g(3C), 70g(4C))

### Coil Parameter (AC)

<table>
<thead>
<tr>
<th>Dash numbers</th>
<th>Coil voltage</th>
<th>Coil resistance Ω±10%</th>
<th>Pick up voltage V(max) (80% of rated voltage)</th>
<th>Release voltage V(min) (10% of rated voltage)</th>
<th>Coi power W</th>
<th>Operate Time ms</th>
<th>Release Time ms</th>
</tr>
</thead>
<tbody>
<tr>
<td>006-900</td>
<td>6</td>
<td>6.6</td>
<td>4.8</td>
<td>0.6</td>
<td>0.9</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td>012-900</td>
<td>12</td>
<td>13.2</td>
<td>9.6</td>
<td>1.2</td>
<td>0.9</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td>024-1400</td>
<td>24</td>
<td>26.4</td>
<td>19.2</td>
<td>2.4</td>
<td>1.4</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td>048-1400</td>
<td>48</td>
<td>52.8</td>
<td>38.4</td>
<td>4.8</td>
<td>1.4</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td>096-900</td>
<td>96</td>
<td>96.0</td>
<td>76.8</td>
<td>8.0</td>
<td>1.4</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
</tbody>
</table>

**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.
FORWARD RELAYS

JQX-14FC, & JQX-14FC₂ (4124) JQX-14FC₃

Features
- Heavy load, suitable for heavy power reverse.
- Small size, suitable for high-density mounting.
- Up to 5000VAC dielectric strength. Between open contacts of JQX-14FC, 3000VAC dielectric strength.
- Contact gap of JQX-14FC, 2 x 1.5mm=3mm.
- Suitable for remote control TV set, copy machine, sales machine and air conditioner etc.

Ordering Information

JQX-14FC, C S T0 DC12V 0.8 3.5
1 2 3 4 5 6 7
1 Part number: JQX-14FC, JQX-14FC, JQX-14FC
2 Contact arrangement: A:1A, 2A:2A, C:1C, 2C:2C
3 Enclosure: S: Sealed type Z: Dust cover
4 Contact current: 3A,5A,6A,8A,10A,16A,20A
5 Coil rated voltage(V): DC:3-5.5,6.9,12,15,24,48
6 Coil power consumption: 1N:0.5W, 0.8:0.8W, 1.2:1.0W
7 Pole-distance: 3.5-3.5mm, 5.5mm

Contact Data

Contact Material
AgCdO
AgSnO

Contact Arrangement
1A:1SPSTNO  2A: 2SPSTNO  1C: 1SPDT(B-M)  2C: 2DPDT(B-M)

Contact Rating (resistive)
50mΩ

Motor load: 1HP 250VAC; 1/2HP 125VAC
Lamp load: TV-5

Coil Parameter

Dash numbers
003-530 005-530 006-530 008-530 012-530 024-530 048-530

Contact Resistance or Voltage drop

Max. Switching Voltage

Max. Switching Current: 20A

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.