

JQX-14FC₁ & JQX-14FC₂ (4124)



29×12.8×26



| Features | |
|--|--|
| <ul style="list-style-type: none"> ▪ Heavy load, suitable for heavy power reverse. ▪ Small size, suitable for high-density mounting. ▪ Up to 5000VAC dielectric strength. ▪ Suitable for remote control TV set, copy machine, sales machine and air conditioner etc. | |

| Ordering Information | |
|---|--|
| JQX-14FC₁ C S 10 DC12V 0.8 3.5 | |
| <p>1 Part number: JQX-14FC₁, JQX-14FC₂ 2 Contact arrangement: JQX-14FC₁:A:1A; A2:1A2; C:1C; C2:1C2 JQX-14FC₂:2A:2A;2C:2C 3 Enclosure: S: Sealed type; Z: Dust cover</p> | |
| <p>4 Contact current: 5A,8A,10A,16A,20A 5 Coil rated voltage(V): DC:3,5,6,9,12,15,24,48 6 Coil power consumption: NIL:0.53W; 0.8:0.8W 7 Pole-distance: 3.5:3.5mm; 5:5.0mm</p> | |

| Contact Data | |
|------------------------------------|--|
| Contact Arrangement | 1A SPSTNO 2A DPSTNO 1C SPDT(B-M) 2C DPDT(B-M) |
| Contact Material | AgCdO AgSnO ₂ |
| Contact Rating (resistive) | 1A:16A,20A/250VAC,30VDC; 1C:10A,16A,20A/250VAC,30VDC;10A/14VDC (20A Application for 5mm Pole-distance) 2A,2C:5A,8A/220VAC, 30VDC; Motor load:1HP 250VAC ; 1/2HP 125VAC Lamp load:TV-5 |
| Max. Switching Power | 600W 5000VA |
| Max. Switching Voltage | 110VDC 380VAC Max. Switching Current:20A |
| Contact Resistance or Voltage drop | 50m 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 |

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

| Dash numbers | Coil voltage VDC | | Coil resistance Ω ±10% | Pick up 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 | | | | | | |
| 003-530 | 3 | 3.9 | 17 | 2.25 | 0.3 | 0.53 | 15 | 10 |
| 005-530 | 5 | 6.5 | 47 | 3.75 | 0.5 | | | |
| 006-530 | 6 | 7.8 | 68 | 4.50 | 0.6 | | | |
| 009-530 | 9 | 11.7 | 153 | 6.75 | 0.9 | | | |
| 012-530 | 12 | 15.6 | 275 | 9.00 | 1.2 | | | |
| 024-530 | 24 | 31.2 | 1100 | 18.0 | 2.4 | | | |
| 048-530 | 48 | 62.4 | 4350 | 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.

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Coil Parameter

| Dash numbers | Coil voltage VDC | | Coil resistance $\Omega \pm 10\%$ | Pick up 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 | | | | | | |
| 003-800 | 3 | 3.9 | 11.3 | 2.25 | 0.3 | 0.8 | 15 | 10 |
| 005-800 | 5 | 6.5 | 31.3 | 3.75 | 0.5 | | | |
| 006-800 | 6 | 7.8 | 45 | 4.50 | 0.6 | | | |
| 009-800 | 9 | 11.7 | 101.3 | 6.75 | 0.9 | | | |
| 012-800 | 12 | 15.6 | 180 | 9.00 | 1.2 | | | |
| 024-800 | 24 | 31.2 | 720 | 18.0 | 2.4 | | | |
| 048-800 | 48 | 62.4 | 2800 | 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.

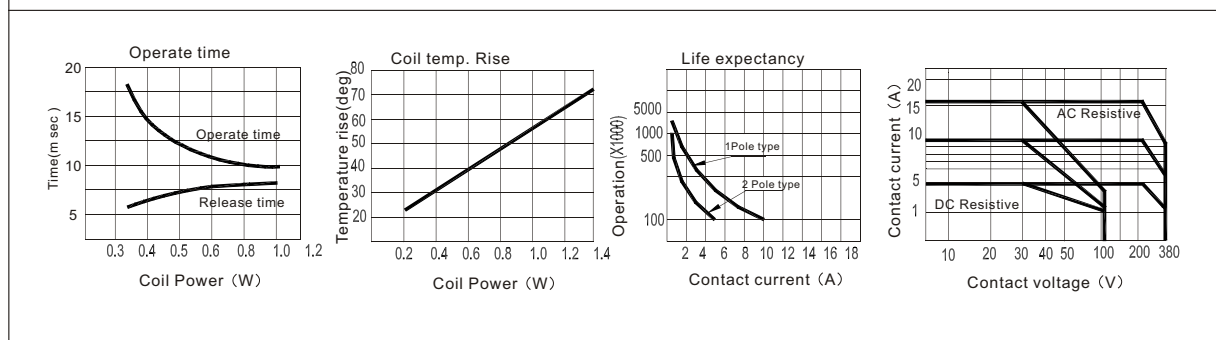
Operation condition

| | | |
|---|---------------------------|--|
| Insulation Resistance | 1000M min (at 500VDC) | Item 7 of IEC 60255-5 |
| Dielectric Strength Between contacts Between contact and coil | 50Hz 1000V 50Hz 5000V | Item 6 of IEC 60255-5 Item 6 of IEC 60255-5 |
| Shock resistance | 100m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10Hz~50Hz amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 10N | IEC 68-2-21 Test Ua1 |
| Relative Humidity | 260 5 5s 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -40 ~70 | |
| Relative Humidity | 85% (at 40) | IEC 68-2-3 Test Ca |
| Mass | 17g~20g | |

Safety approvals

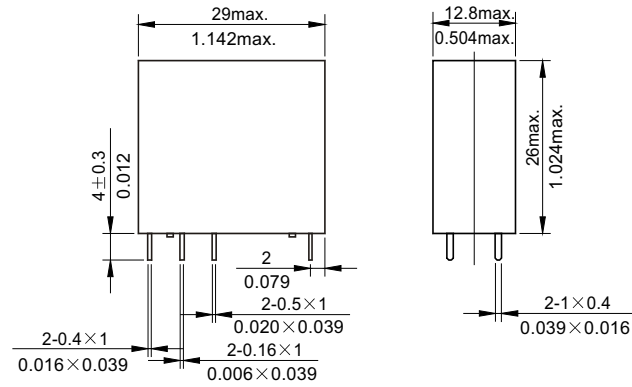
| safety approvals | UL&CUR | T V | CQC |
|------------------|---|---|---------------|
| Load | 1C 16A/250VAC 2C 5A/220VAC 1HP 250VAC 1/2HP 125VAC TV-5 | 1C 10A/250VAC 14VDC 2C 5A/250VAC 30VDC | 1C:10A/250VAC |

Reference Data

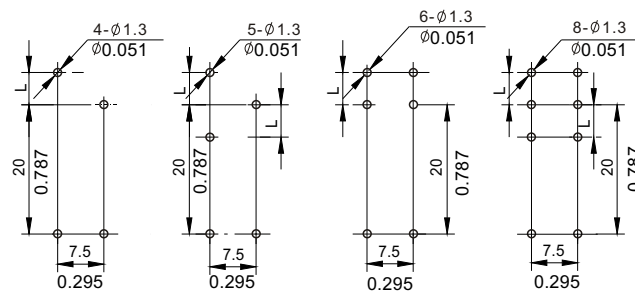


Dimensions

mm /inch

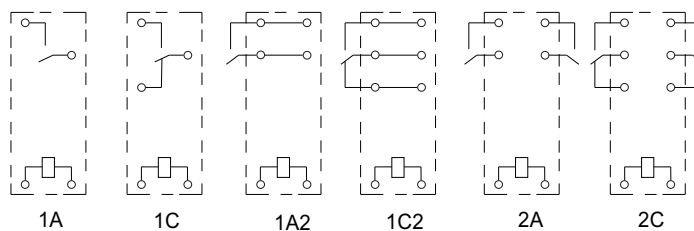


Dimensions



Pole-distance L: 3.5mm or 5mm (0.138 inch or 0.197 inch)

Mounting (Bottom view)



Wiring diagram(Bottom view)

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