

JQX-14FC₁ & JQX-14FC₂ (4124) JQX-14FC₃

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29×12.8×26

03001003501
06001015773

 E160644  R50126370

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-14FC₃ 3000VAC dielectric strength.
- Contact gap of JQX-14FC₃ : 2×1.5mm=3mm.
- 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**
1 2 3 4 5 6 7

- | | |
|--|---|
| 1 Part number: JQX-14FC ₁ JQX-14FC ₂ JQX-14FC ₃ | 5 Coil rated voltage(V): DC:3,5,6,9,12,15,24,48 |
| 2 Contact arrangement: A:1A; 2A:2A; C:1C; 2C:2C | 6 Coil power consumption: NIL:0.53W; 0.8:0.8W; 1.2:1.2W |
| 3 Enclosure: S: Sealed type; Z: Dust cover | 7 Pole-distance: 3.5:3.5mm; 5:5.0mm |
| 4 Contact current: 3A,5A,6A,8A,10A,16A,20A | |

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/250VAC,30VDC; 1C:10A,16A,20A/250VAC,30VDC; 10A/14VDC(20A Application for 5mm Pole-distance) 2A,2C:5A,8A/220VAC, 30VDC;JQX-14FC ₃ ;2A:8A/220VAC;2C:6A/220VAC 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 Ω		Item 4.12 of IEC 61810-7
Operation life	Electrical	10 ⁵ Item 4.30 of IEC 61810-7	
	Mechanical	10 ⁷ 5×10 ⁶ (JQX-14FC ₃) Item 4.31 of IEC 61810-7	
Contact gap	2×1.5mm=3mm (JQX-14FC ₃)		

Coil Parameter

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	C ₁ C ₂					
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.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10% C ₃	Pick up voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (10%of rated voltage)	Coil power consumption W C ₃	Operate Time ms C ₃	Release Time ms C ₃
	Rated	Max.						
	2A							
006-670	6	7.8	54	4.50	0.6	0.67W~0.83W	≤10	≤5
009-810	9	11.7	100	6.75	0.9			
012-800	12	15.6	180	9.00	1.2			
015-830	15	19.5	270	11.3	1.5			
024-780	24	31.2	740	18.0	2.4			
	2C							
006-900	6	7.8	40	4.50	0.6	0.9W~1.25W	≤10	≤5
009-1160	9	11.7	70	6.75	0.9			
012-1200	12	15.6	120	9.00	1.2			
015-1250	15	19.5	180	11.3	1.5			
024-1230	24	31.2	470	18.0	2.4			

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
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Operation condition

Insulation Resistance	1000M Ω min (at 500VDC)		Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 1000V	JQX-14FC ₃ 3000V	Item 6 of IEC 60255-5
	50Hz 5000V	4000V Surge voltage 12kV	Item 6 of IEC 60255-5
Creepage distance	8mm (only for JQX-14FC ₃)		Addenda B of IEC 60255-5
Shock resistance	100m/s ² 11ms		IEC 68-2-27 Test Ea
Vibration resistance	10~50Hz amplitude 1.5mm		IEC 68-2-6 Test Fc
Terminals strength	10N		IEC 68-2-21 Test Ua1
Relative Humidity	235℃ $\pm$ 2℃ 3 $\pm$ 0.5s		IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃ -25~75℃ (JQX-14FC ₃)		
Relative Humidity	85% (at 40℃)		IEC 68-2-3 Test Ca
Mass	17g~20g		

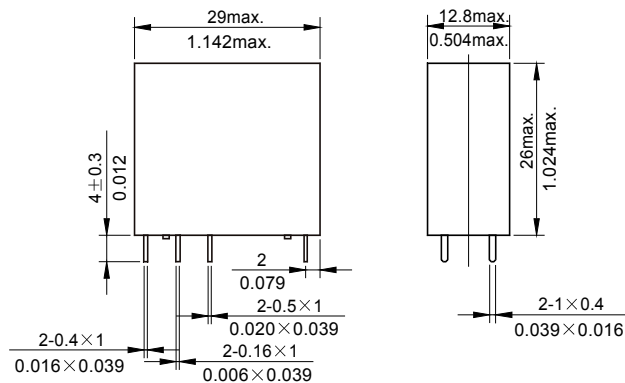
Safety approvals

safety approvals	UL&CUR	TüV	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

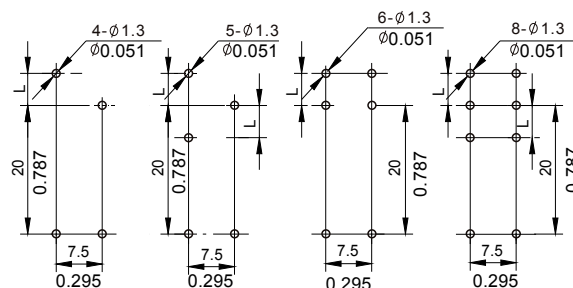
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Dimensions

mm /inch



Dimensions

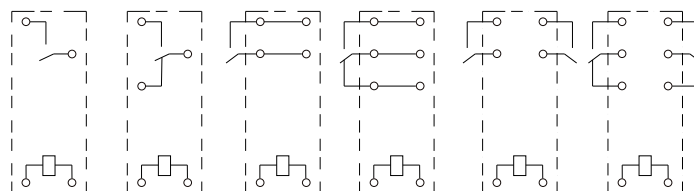


Pole-distance L: 3.5mm or 5mm (0.138 inch or 0.197 inch)

JQX-14FC₃: 5mm (0.197 inch)

Mounting (Bottom view)

(16A)



JQX-14FC₂ JQX-14FC₃

Wiring diagram
(Bottom view)

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

Reference Data

