JQX-14FC$_1$ & JQX-14FC$_2$ (4124)
JQX-14FC$_3$

29×12.8×26

03001003501
06001015773
E9930952E01
E160644
R2033977

特点

- 负载大，适用于大功率切换。
- 体积小，适用于高密度安装。
- 具有 5000VAC抗电强度。
- JQX-14FC$_3$产品触点间隙：2× 1.5mm=3mm
- 适用于遥控电视机、复印机、售货机和空调器。

订货信息

JQX-14FC$_1$	C	S	10	DC12V	0.8	3.5
1	2	3	4	5	6	7

1 型号：JQX-14FC$_1$ JQX-14FC$_2$ JQX-14FC$_3$
2 触点形式:A：1A；2A:2A；C:1C；2C:2C
3 封装：S:试水式；Z:防尘式
4 触点电流：3A,5A,6A,8A,10A,16A,20A
5 线圈额定电压(V)：DC:3,5,6,9,12,15,24,48
AC:6,12,24,48,110,120,220
6 线圈功耗：无:0.53W；0.8:0.8W；1:VA；1.2:1.2W
7 脚距：3.5:3.5mm；5:5.0mm

触点参数

触点形式		1A(1H)（SPSTNO）、2A(2H)（DPSTNO）、1C(1Z)（SPDT(B-M)）、2C(2Z)（DPDT(B-M)）
触点材料		AgCdO AgSnO$_2$
触点负载（阻性）		1A:16A/250VAC,30VDC; 1C:10A,16A,20A/250VAC,30VDC; 10A/14VDC(20A 适用于5mm脚距) 2A,2C:5A,8A/220VAC, 30VDC;JQX-14FC$_3$:2A:8A/220VAC;2C:6A/220VAC
		马达负载:1HP 250VAC ; 1/2HP 125VAC
		灯负载:TV-5
最大切换功率		600W 5000VA
最大切换电压		110VDC 380VAC 最大切换电流:20A
接触电阻或压降		≤50mΩ IEC 61810-7中第4.12条
寿命	电气	10^5 IEC 61810-7中第4.30条
	机械	10^7 5×10^6 (JQX-14FC$_3$) IEC 61810-7中第4.31条
触点间隙		2×1.5mm=3mm (JQX-14FC$_3$)

线圈参数（直流）

规格序号	线圈电压 VDC		线圈电阻 Ω ±10%	吸合电压 VDC(最大) (额定电压的75%)	释放电压 VDC(最小) (额定电压的10%)	线圈功耗 W	动作时间 ms	释放时间 ms
	额定	最大	C_1C_2			C_1C_2	C_1C_2	C_1C_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	4357	36.0	4.8			

注意：1.使用的线圈电压低于线圈额定电压时将会损害继电器的工作。
2.吸合、释放电压仅供检测用,不是设计的使用指标。

Coil Parameter（DC）

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_3			C_3	C_3	C_3
	2A							
006-670	6	7.8	54	4.50	0.6			
009-810	9	11.7	100	6.75	0.9			
012-800	12	15.6	180	9.00	1.2	0.67W~0.83W	⩽10	⩽5
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			
009-1160	9	11.7	70	6.75	0.9			
012-1200	12	15.6	120	9.00	1.2	0.9W~1.25W	⩽10	⩽5
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.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Coil Parameter（AC）

Dash numbers	Coil voltage VAC		Coil resistance Ω ±10%	Pick up voltage VAC(max) (75%of rated voltage)	Release voltage VAC(min) (10%of rated voltage)	Coil power consumption	Operate Time ms	Release Time ms
	Rated	Max.						
006AC	6	7.8	16	4.5	0.6			
012AC	12	15.6	63	9	1.2			
024AC	24	31.2	240	18	2.4	1VA	–	–
048AC	48	62.4	1085	36	4.8			
110AC	110	143	5600	82.5	11			
120AC	120	156	6680	90	12			
220AC	220	286	21000	165	22			

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.

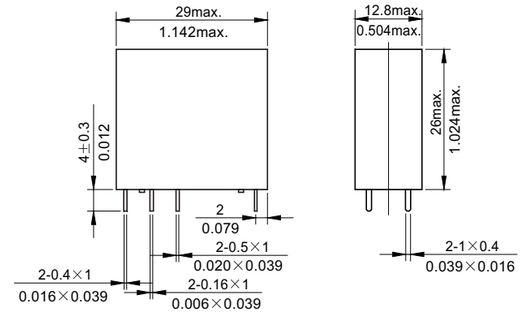
Operation condition

Insulation Resistance	1000MΩmin (at 500VDC)		Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil		JQX-14FC$_3$ 3000V 4000V Surge voltage 12kV	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5
Creepage distance	8mm (only for JQX-14FC$_3$)		Addenda B of IEC 61810-5
Shock resistance	100m/s^2 11ms		IEC68-2-27 Test Ea
Vibartion resistance	10~50Hz amplitude 1.5mm		IEC68-2-6 Test Fc
Terminals strength	10N		IEC68-2-21Test Ua1
Relative Humidity	235℃±2℃ 3±0.5s		IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃ -25~75℃(JQX-14FC$_3$)		
Relative Humidity	85% (at 40℃)		IEC68-2-3 Test Ca
Mass	17g~20g		

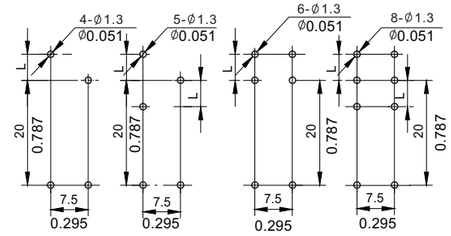
Safety approvals

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,30VDC

Dimensions　　mm /inch

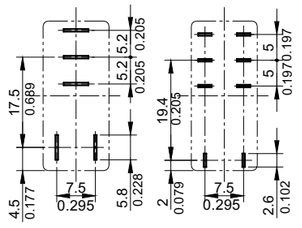


Dimensions

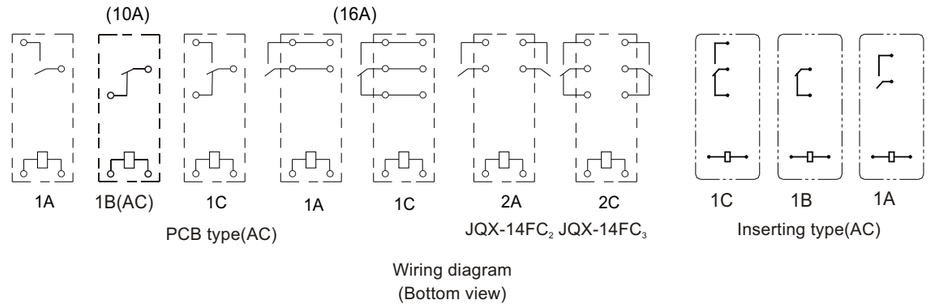


Pole-distance L: 3.5mm or 5mm（0.138 inch or 0.197 inch)
JQX-14FC$_3$:5mm(0.197 inch）

Mounting (Bottom view)



Inserting type(AC)



PCB type(AC)　JQX-14FC$_2$ JQX-14FC$_3$　Inserting type(AC)

Wiring diagram
(Bottom view)

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

Reference Data