



29×12.8×26

JQX-14FC₁

 E160644

Features

- 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** **3.5**

1 2 3 4 5 6 7

1 Part number: JQX-14FC₁
 2 Contact arrangement: A:1A; A2:1A2; C:1C; C2:1C2
 3 Enclosure: S: Wash tight; Z: Flux proof
 4 Contact rating: 10:10A; 16:16A; 20:20A

5 Coil rated voltage(V): DC:3,5,6,9,12,24,48
 6 Coil power: NIL:0.53W
 7 Pin distance: 3.5:3.5mm(1A,1C);
 5:5.0mm(1A2,1C2)

Contact Data

Contact Arrangement	1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating	1A:16A,20A/250VAC,30VDC 1C:10A,16A,20A/250VAC,30VDC;10A/14VDC (20A Application for 5mm Pole-distance)	
	Motor load:1HP 250VAC ; ½HP 125VAC	
	TV-5	
Max. Switching Power	600W 5000VA	
Max. Switching Voltage	30VDC 277VAC	Max. Switching Current:20A
Contact Resistance	≤100mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷	Item 4.31 of IEC 61810-7

Coil Parameter

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.						
3	3.9	17	2.25	0.3	0.53	≤20	≤10
5	6.5	47	3.75	0.5			
6	7.8	68	4.50	0.6			
9	11.7	153	6.75	0.9			
12	15.6	275	9.00	1.2			
24	31.2	1100	18.0	2.4			
48	62.4	4357	36.0	4.8			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

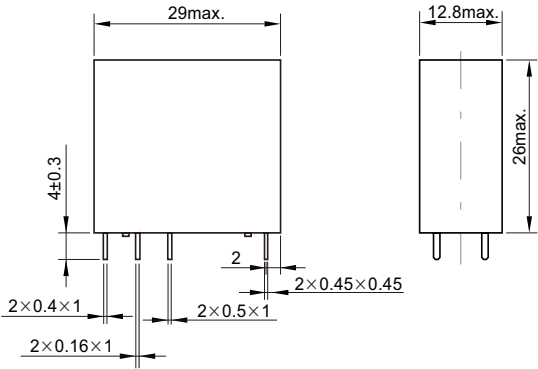
Characteristics

Insulation Resistance	1000MΩ min	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	1000VAC 1min 5000VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibartion Resistance	10Hz~50Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	17g~20g	Item 4.7 of IEC 61810-7

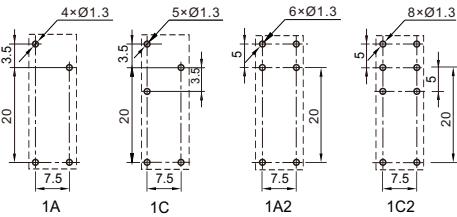
Safety Approvals

Safety approval	UL&CUR
Load	16A/250VAC 1HP 250VAC ½HP 125VAC TV-5

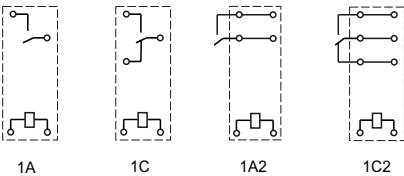
Reference Data



Dimensions



Mounting (Bottom view)



Wiring diagram(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.