

30.5×16.0×23.5



30.5×16.0×26.5

JQX- 102F

CQC 03001003507

R50126381 c US E169380

Features

- Can be welded directly onto PCB.
- Used in household appliances like air conditioning , heater and instruments etc.

Ordering Information

JQX-102F A Z 20 b DC12V C 0.9

1 2 3 4 5 6 7 8

1 Part number：JQX-102F
2 Contact arrangement：A:1A
3 Enclosure：Z: Dust cover
4 Contact rating：Resistive:20A/250VAC；
5 Terminal：b:PC type；NIL:PC type and QC type
6 Coil rated voltage(V)：DC:5,12,24,48
7 Contact material：C:AgCdO；NIL:$AgSnO_2$
8 Coil power consumption：0.9:0.9W

Contact Data

Contact Arrangement		1A（SPSTNO）	
Contact Material		$AgSnO_2$ AgCdO	
Contact Rating(Resistive)		20A/250VAC	
Max. Switching Power		5000VA	
Max. Switching Voltage		300VAC	Max. Switching Current:20A
Contact Resistance or Voltage drop		⩽30mΩ (at 1A/14VDC)	Item 4.12 of IEC 61810-7
Operation life	Electrical	10^5	Item 4.30 of IEC 61810-7
	Mechanical	2×10^6	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω±10%	Pick up voltage VDC(max) (70% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-900	5	6	27.8	3.5	0.5	0.9	⩽20	⩽10
012-900	12	14.4	160	8.4	1.2			
024-900	24	28.8	640	16.8	2.4			
048-500	48	57.6	2560	33.6	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

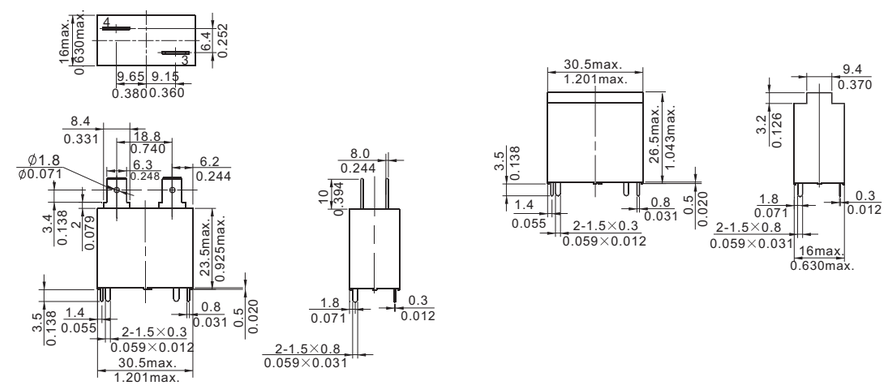
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1500V 50Hz 4500V Surge voltage:10kV	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5 Item 8 of IEC 61810-5
Shock resistance	Functional:200m/s² 11ms Survival:1000 m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude Functional 1.5mm double amplitude Survival 2.0mm	 IEC68-2-6 Test Fc IEC68-2-6 Test Fc
Terminals strength	10N 8N	IEC68-2-21 Test Ua1 and Ua2
Solderability	235℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-25~85℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	23g	

Safety approvals

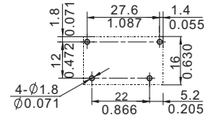
Safety approval	UL&CUR	TÜV	CQC
Load	20A/250VAC	20A/250VAC COSΦ=0.9	20A/250VAC

Dimensions

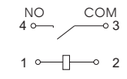
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

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