Features

- Small size, heavy contact load, capable of standing strong current of 40A at 14VDC.
- PC board mounting.
- Suitable for automatic control facilities and automobile application etc.
- Both European 11mm footprint and American 8mm footprint available.

Ordering Information

JQC-4	C	S	30	DC12V	1.6
1	2	3	4	5	6

1 Part number：JQC-4（4120）
2 Contact arrangement：A:1A；B:1B；C:1C
3 Enclosure：S: Sealed type；Z: Dust cover
O: open type
4 Contact Current：15:15A；30:30A；40:40A
5 Coil rated Voltage(V)：DC:6,9,12,18,24
6 Coil power consumption：1.6:1.6W；1.9:1.9W

Contact Data

Contact Arrangement		1A（SPSTNO）、1B（SPSTNC）、1C（SPDT(B-M)）	
Contact Material		AgNi Ag·SnO_2 Ag·CdO Ag·SnO_2·In_2O_3	
Contact Rating (resistive)		NO: 40A/14VDC; NC: 30A/14VDC, 20A/120VAC, 15A/28VDC	
Max. Switching Power		460W 2400VA	
Max. Switching Voltage		75VDC 380VAC	Max. Switching Current:40A
Contact Resistance or Voltage drop		≤30mΩ	Item 3.12 of IEC255-7
Operation life	Electrical	10^5	Item 3.30 of IEC255-7
	Mechanical	10^7	Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω±10%	Pickup 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.						
006-1900	6	7.8	19	4.20	0.6	1.9	⩽5	⩽3
009-1900	9	11.7	42.6	6.30	0.9			
012-1600	12	15.6	90	8.40	1.2	1.6		
018-1600	18	23.4	202.5	12.6	1.8			
024-1600	24	31.2	360	16.8	2.4			

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

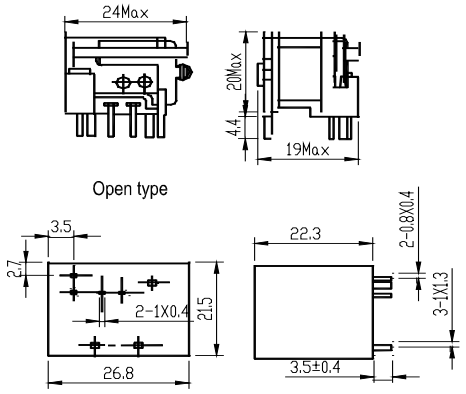
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Solderability	235℃ ± 2℃	3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~110℃		
Relative Humidity	85% (at 40℃)		IEC68-2-3Test Ca
Mass	19g (Open type)	21g	

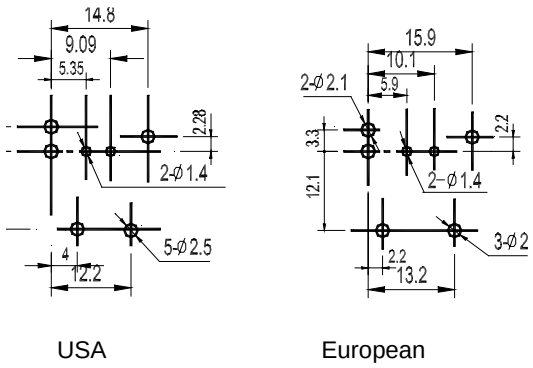
Qualification inspection:

Perform the qualification test as specified in the table Ⅳ of IEC255-19-1 and minimum sample size 24.

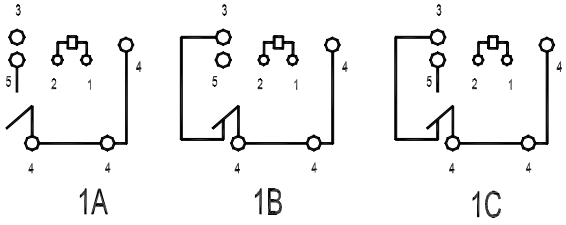
Dimensions (Unit: mm)



Dimensions



Mounting (Bottom views)



Wiring diagram(Bottom views)

mm	inch
0.4	0.016
0.8	0.031
1.0	0.039
1.3	0.051
1.4	0.055
2.0	0.079
2.1	0.083
2.2	0.087
2.28	0.090
2.5	0.098
2.6	0.106
3.3	0.130
3.5	0.138
3.78	0.149
4.0	0.157
4.5	0.173
5.35	0.210
5.9	0.232
9.09	0.358
10.1	0.398
12.2	0.480
13.2	0.520
14.8	0.583
15.9	0.626
19	0.748
20	0.787
21.5	0.846
22.3	0.878
24	0.945
26.8	1.055

NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Reference Data