



Dust Covered
26.5×21×22.3



Open Type
24×19×20

JQC-4(4120)

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.

Contact Data

Contact Arrangement	1A, 1B, 1C		
Contact Material	AgNi	Ag·SnO ₂	Ag·CdO Ag·SnO ₂ ·In ₂ O ₃
Contact Rating (resistive)	NO: 40A/14VDC; NC: 30A/14VDC, 20A/120VAC, 15A/28VDC		
Max. Switching Power	360W 1800VA		
Max. Switching Voltage	75VDC 380VAC		
Contact Resistance or Voltage drop	30mΩ Max.		
Operation life	Electrical	10 ⁵	
	Mechanical	10 ⁷	
		Max. Switching Current:40A	
		Item 3.12 of IEC255-7	
		Item 3.30 of IEC255-7	
		Item 3.31 of IEC255-7	

Coil Parameter

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 Max.	Release Time ms Max.
Rated	Max.						
6	7.8	19	4.20	0.6	1.9	5	3
9	11.7	42.6	6.30	0.9			
12	15.6	90	8.40	1.2			
18	23.4	202.5	12.6	1.8	1.6		
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.

Operation condition

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 750V	Item 6 of IEC255-5
Shock resistance	200m/s ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230 °C± 2 °C 10±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~110 °C	
Relative Humidity	85% (at 40 °C)	IEC68-2-3Test Ca
Mass	19g (Open type) 21g	

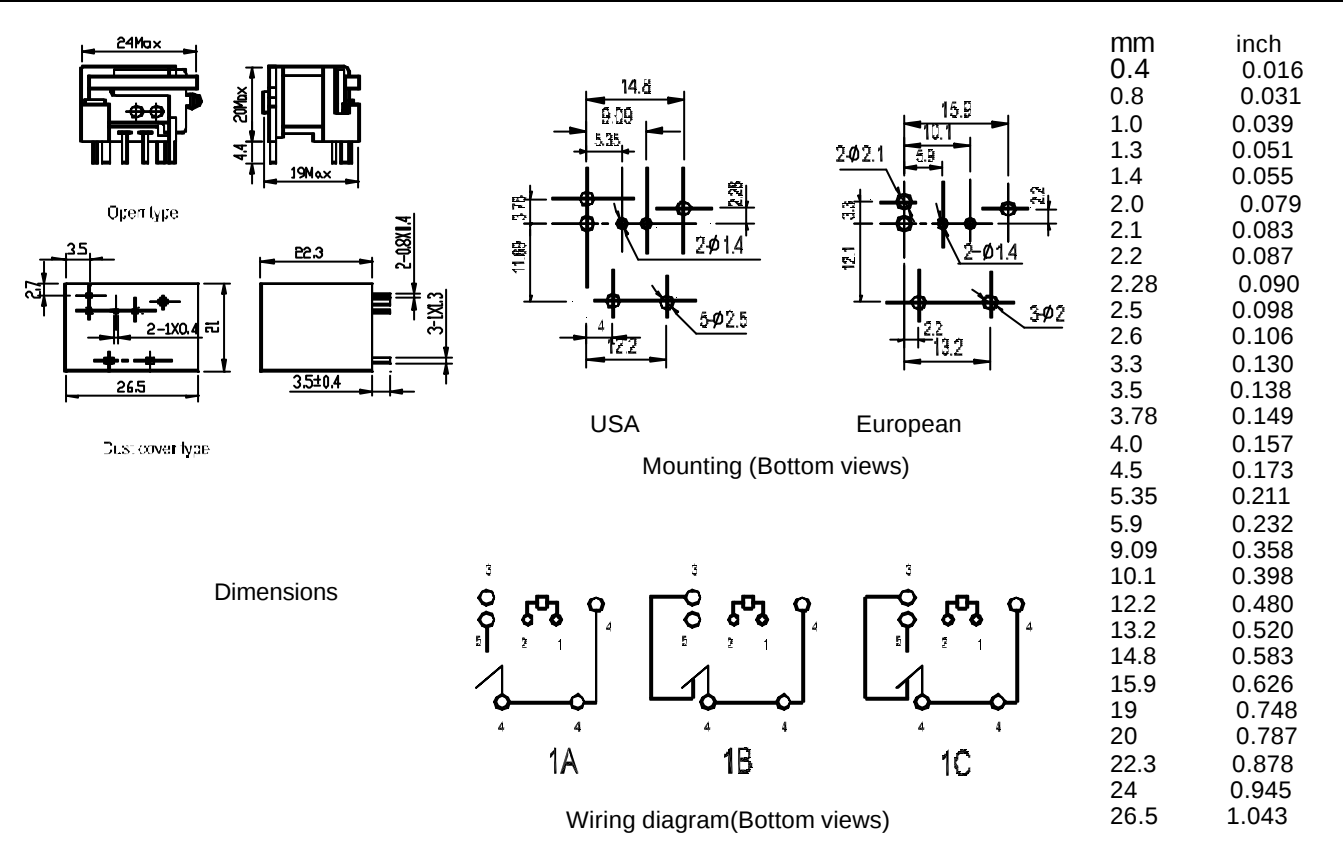
Qualification inspection:

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

Ordering Information

JQC-4	C	Z	30	DC12V	1.6	
						Coil power consumption:1.6:1.6W,1.9:1.9W
						Coil rated DC Voltage 6V, 9V, 12V, 18V, 24V
						Contact current 15:15A, 30:30A, 40:40A
						S:Sealed type, Z: Dust Cover, O: Open type
						Contact Arrangement A:1A, B:1B, C:1C
						Part number:JQC-4(4120)

Dimensions (Unit: mm)



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

Reference Data

