

繼電器

## Miniature Relay

## Features

- Small size, light weight.
- Low coil consumption.
- Switching capacity up to 20A.
- Dielectric strength 5kV.
- PC board mounting.
- Suitable for household electrical appliance, automation system, electrical equipment, instrument, meter telecommunication facilities and remote control facilities.



## Order Code

BT115F - 5 - P1 - 1A  
 a      b    c    d

a: Relay Model

b: Nominal Coil Voltage

c: Pitch Type: P1:3.5mm 1Pole 12A ; P2:5.0mm 1Pole 12A  
 P3:5.0mm 1Pole 16A ; P4:5.0mm 2Pole 8A  
 Q1:Quick Connect Terminals Vertical (1Pole 20A)  
 Q2:Quick Connect Terminals Horizontal (1Pole 20A)

d: Contact Form: 1A=1 Form A ; 1B=1 Form B ; 1C=1 Form C ;  
 2A=2 Form A ; 2B=2 Form B ; 2C=2 Form C ;

## Coil Data-Standard Type (at 20°C)

Nominal Voltage(VDC)	Coil Resistance ± 10% (ohm)	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Coil Current (mA)
5	62	70%	10%	80
6	90			66.7
12	360			33.3
24	1440			16.7
48	5760 ± 15%			8.3
60	7500 ± 15%			8
110	25200 ± 15%			4.3

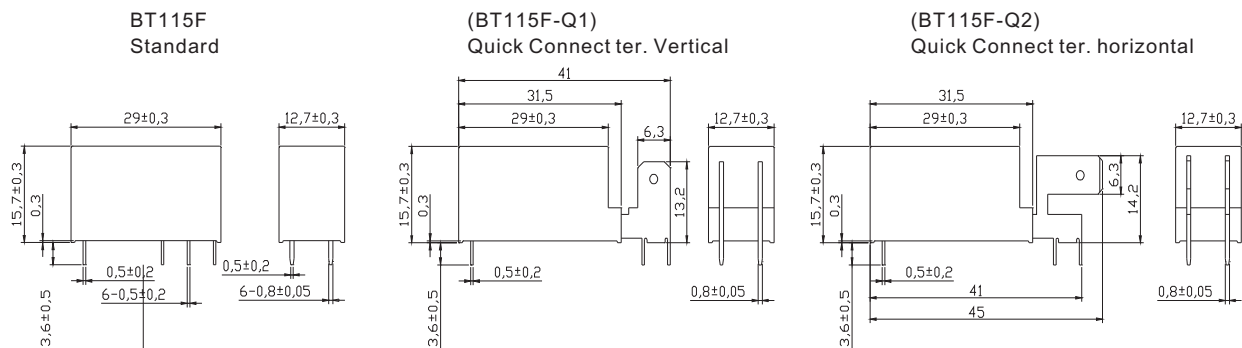
## Contact Rating

Contact Form	1 Form A; 1 Form B; 1 Form C	2 Form A; 2 Form B; 2 Form C
Contact Rating	12A/16A/(Q1/Q2)20A : 250VAC,30VDC	8A:250VAC,30VDC
Max. Switching Power	12A:3000VA / 16A:4000VA / 20A:5000VA	8A:2000VA
Max. Switching Current	12A / 16A / 20A	8A
Max. Switching Voltage	440VAC / 125VDC	
Contact Material	Silver Alloy	
Contact Resistance	Max.100m ohm (at 1A 6VDC)	

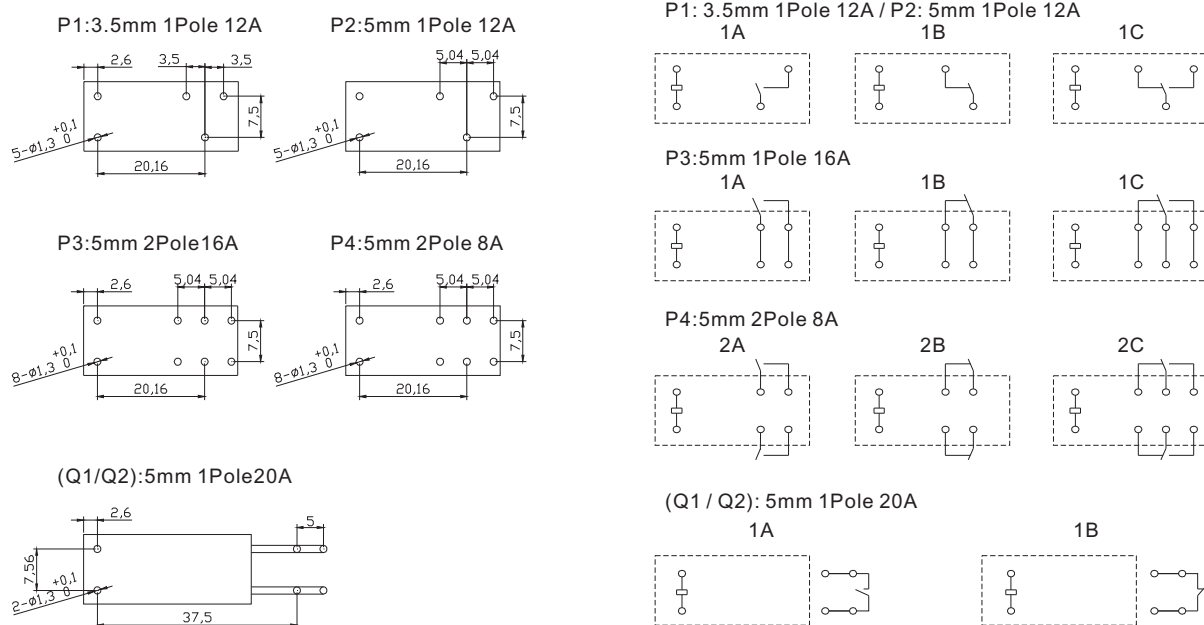
Specification

Insulation Resistance	1000M ohm Min. (500VDC)	
Dielectric Strength	Between Coil and Contacts 500VAC (for 1 min)	
	Between Open Contacts 1000VAC (for 1 min)	
	Between Contacts Sets 2500VAC (for 1 min)	
Operate Time	15ms	
Release Time	8ms	
Vibration Resistance	10~150HZ 10G/5G	
Shock Resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Life Expectancy of Mechanical	1 × 10 <sup>7</sup> ops	
Life Expectancy of Electrical Operating	1 × 10 <sup>5</sup> ops	
Operating Temperature	-40°C ~ 70°C	
Weight	Approx. 13.5g ; Q1/Q2:16g	

Dimensions (Unit:mm)



Wiring Diagrams (Bottom View)



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