

繼電器

Miniature Relay

Features

- 10A switching capabilities.
- 1&2 pole configurations.
- 5KV dielectric between coil to contacts.
- Low height 12.5 mm.
- Creepage distance >8 mm.
- UL recognized.



Order Code

BT118F-05-P1-1C
a b c d

a:Relay Model

b:Nominal Coil Voltage

c:Pitch Type: P1: 3.2mm 1Pole 10A; P2: 3.2mm 1Pole 10A;

P3: 3.2mm 1Pole 10A; P4: 3.2mm 2Pole 5A;

P5: 5mm(only) 1 Form A 10A; P6: 5mm(only) 1 Form B 10A

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)	Coil Current (mA)	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)
5	113	44.2	70%	10%
6	164	36.6		
9	360	25		
12	620	19.4		
18	1295	13.9		
24	2350±15%	10.2		
48	8000±15%	6		
60	12500±15%	4.8		

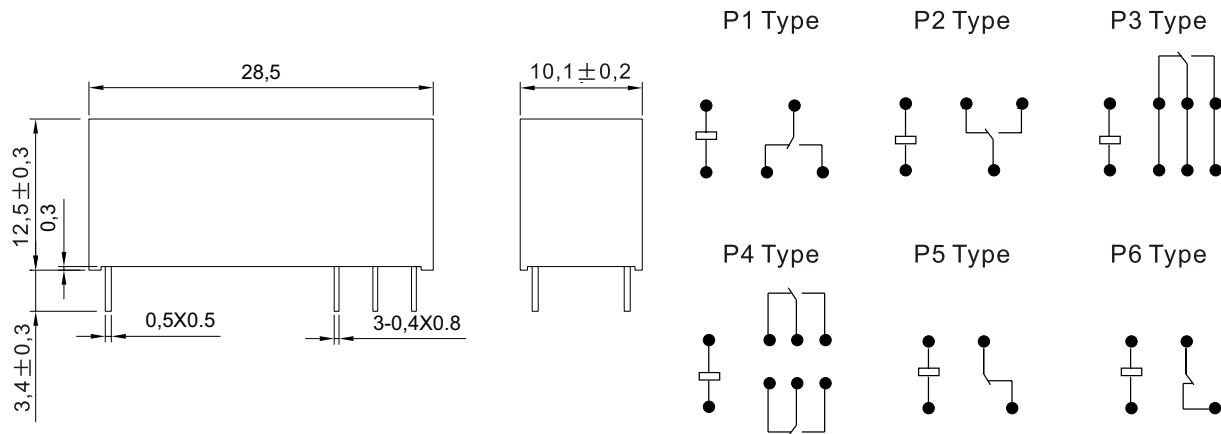
Contact Rating

Contact Form	1 Form A; 1 Form B; 1 Form C	2 Form A; 2 Form B; 2 Form C
Contact Rating	10A 250VAC/30VDC	5A 250VAC/30VDC
Max.Switching Power	2500VA 300W	1250VA 150W
Max. Switching Current	10A	5A
Max. Switching Voltage	440VAC/125VDC	
Contact Material	Silver Alloy	
Contact Resistance	Max. 100m ohm	

Specification

Insulation Resistance		1000M ohm Min. (500VDC)	
Dielectric Strength		Between Coil and Contacts 5000VAC (for 1 min)	
		Between Open Contacts 1000VAC (for 1 min)	
		Between Contacts Sets 2500VAC (for 1 min)	
Operate Time		10ms	
Release Time		5ms	
Shock Resistance	Functional	NC:49m/s ²	NO:98m/s ²
	Destructive	980m/s ²	
Vibration	NC	DA:0.8mm, 10-55HZ	
	NO	DA:1.65mm, 10-55HZ	
Life Expectancy of Mechanical		1×10 ⁷ ops	
Life Expectancy of Electrical		1×10 ⁵ ops	
Operating Temperature		-40°C ~ +85°C	
Weight		Approx. 8g	

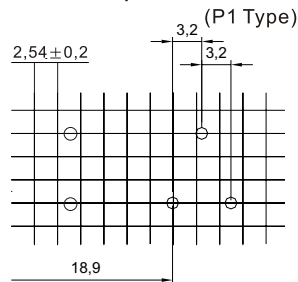
Dimensions (Unit:mm)



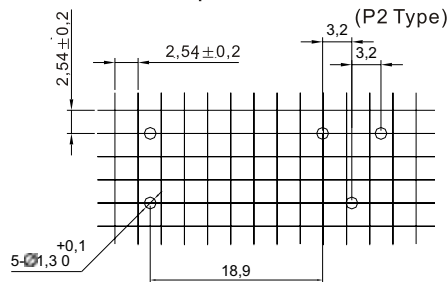
Wiring Diagrams (Bottom View)

(T=2.54 ± 0.02mm)

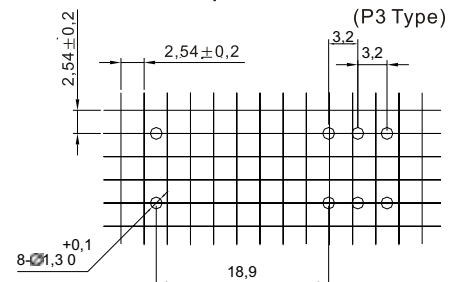
3.2mm 1 pole 10A



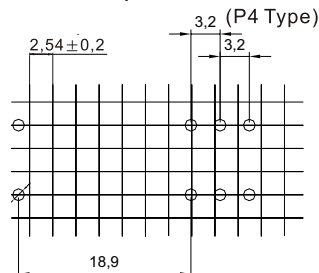
3.2mm 1 pole 10A



3.2mm 1 pole 10A



3.2mm 2 pole 5A



5mm 1 pole 10A

