繼 電 器 Miniature Relay

Features

- SPST through DPDT contact arrangements.
- 5,000VAC dielectric between, contact to coil.
- Max. switching current 16A.
- For electrical device in control system, heating control, servo motors.
- UL recognized.

Order Code

BTV - 12 10 - S7 - 1C
a b c d e

a: Relay Model
b: Normal Coil Voltage
c: Contact Current : 05 - 5mm 2 Pole 5 Amper;
10 - 3.5mm 1 Pole 10 Amper;
16 - 5mm 1 Pole 16 Amper
d: Coil Power: Nil=540mW ; S7=720mW
e: Contact Form : 1A =1Form A ; 1B =1Form B ;1C =1 Form C ;
2A=2Form A ; 2B =2Form B ;2C= 2 Form C

Coil Data-Standard Type (at 20℃)

Normal Voltage(VDC)	Coil Resistance ± 10% (ohm)		Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max. Allowable Voltage (VDC)
	NIL (0.54W)	S7(0.72W)			
3	17	13	75%	10%	130%
5	46	35			
6	67	50			
9	150	110			
12	270	200			
24	1050	800			
48	4250±15%	3200±15%			

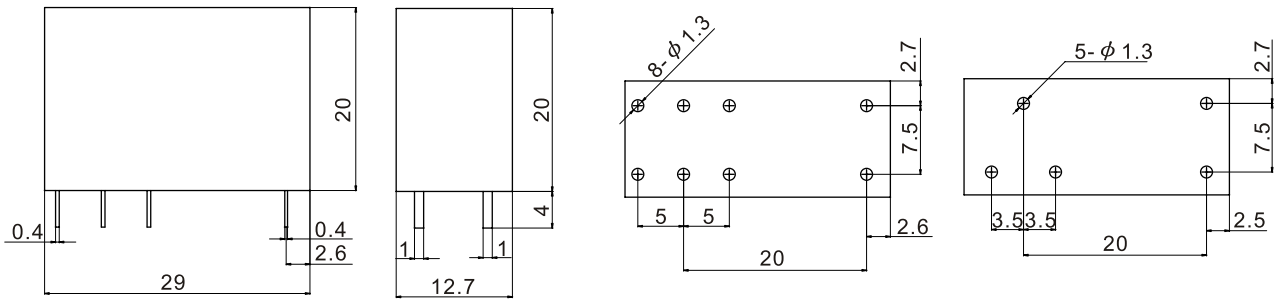
Contact Rating

Contact Form	1 Form A 1 Form B 1 Form C	1 Form A 1 Form B 1 Form C	2 Form A 2 Form B 2 Form C
Contact Rating	1 Pole (only 3.5mm)	1 Pole (only 5mm)	2 Pole (only 5mm)
	10A 250VAC/30VDC	16A 250VAC/30VDC	5A 250VAC/30VDC
Max. Switching Power	2500VAC / 300W	4000VAC / 480W	1250VAC / 150W
Max. Switching Current	10A	16A	5A
Max. Carry Current	12A	20A	8A

Specification

Contact Material	Silver Alloy
Contact Resistance	Max. 100m ohm (6VDC 1A)
Operate Time	20ms
Release Time	10ms
Insulation Resistance	100M ohm Min. (500 VDC)
Dielectric Strength	Between Open Contacts 1000VAC(for 1 min) Between Coil to Contacts 5000VAC(for 1 min)
Vibration	10-55Hz, D.A,1.5mm
Shock Resistance	10G
Life Expectancy Mechanical	10,000,000 ops. Min. (1800 ops/hr)
Life Expectancy Electrical	100,000 ops. Min.
Operating Temperature	-30℃ ~ +70℃
Weight	Approx. 14g

Dimensions (Unit: mm)



Wiring Diagrams (Bottom View)