

>>>Latching Relay(BTA2G)



BTA2G-2C

Main Feature

- > (10A switching capacity)
- >Permanent magnet holding relay
- >Double Coil hold
- >Self-hold settings and reset the coil, in the absense of power, to maintain the last position
- >manual test button: allow manual operation of relay
- >Gold plated contact type

How to order

discription	BTA2G	-2C		S	-C	LS	-24VDC
series: BTA2G							
contact form 1C:SDPDT 2C:DPDT							
contact rating Blank:10A							
terminal type S2:4.8*0.5mm / S1:4.8*0.8mm							
cover style C:stander clear cover C1:side flange cover C3:top flange cover C4:din rail cover							
options L: Single-Polar Red LED(for AC), Bi-Polar GreenLED (for DC) S : S Single Coil D: D: Double Coil							
Coil voltage A: AC DC: DC (6~110VDC 6~240VAC)							

>characteristic

contact	type		1C	2C	3C
	load	resistive	10A @28VDC, 120/240/277VAC		
		motor	1/2hp @240VAC,1/3hp@120VAC		
	switching power		448W,4432VA		
	switching current		16A		
	risitance		≤50mΩ		
	material		AgSnO2 银锡		
	electrical life		10,0000 ops		
	mechanical life		1000,0000 ops		
must operate voltage (23℃)			DC:≤80%, AC: ≤85% 50/60HZ		
must release voltage (23℃)			DC:≤80%, AC: ≤85% 50/60HZ		
max voltage (23℃)			110%		
Insulation resistance			1000MΩ @500VDC		
power	DC(W)	1.2-1.64W			
consumption	AC(VA)	2.0~3.0VA			
operate time			AC≤30ms DC≤20ms		
release time			AC≤30ms DC≤20ms		
dielectric strength	between open contact	1000VAC,1Min			
	pole to pole	1500VAC,1Min			
	contact to coil	1500VAC,1Min			
ambient temperature			-\$-30℃~+65℃ (AC/DC)		
ambient humidity			5%RH~85%RH		
atmosphere			86-106KPa		
shock resistance (malfunction)			98m/s2		
shock resistance (destruction)			980m/s2		
vibration resistance			10Hz~55Hz, Double amplitude 1.0mm		
terminal types			plug in		

dimension	35mm×35mm ×53mm		
weight	88g	90g	92g

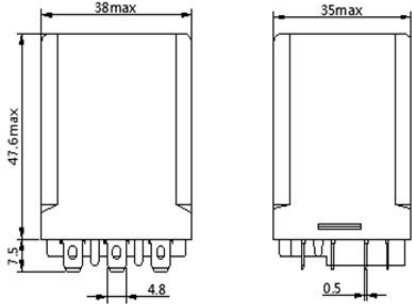
>Coil rating (temperature + 23℃)

Rated Voltage (V)		Must Operate (V)	Must Release (V)	Max (V)	Coil Resistance(Ω)±10%
DC双线圈 DC Double Coil (1C/2C)	6VDC	≤75%	≤75%	110%	22/22±10%
	12VDC				90/90±10%
	24VDC				350/350±10%
	48VDC				1400/1400±10%
	110VDC				9000/9000±10%
AC单线圈 AC single coil (1C/2C/3C)	6VAC	≤80%	≤80%		32±10%
	12VAC				120±10%
	24VAC				472±10%
	48VAC				1800±10%
	120VAC				10000±10%
	240VAC				40000±10%
DC单线圈 DC single coil (1C/2C)	6VDC	≤75%	≤75%		32±10%
	12VDC				120±10%
	24VDC				472±10%
	48VDC				1800±10%
	110VDC/125VDC				9000±10%

Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

>Dimension (mm)

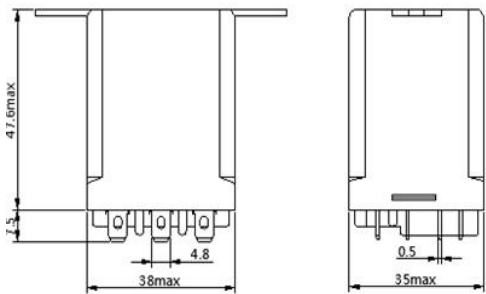
标准型
(Standard type)



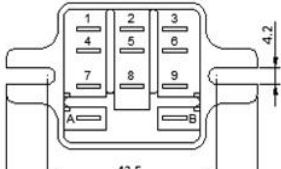
底视图
Bottom view



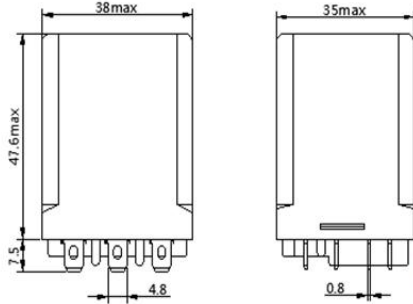
顶端附耳外壳
Top flange cover (C3)



底视图
Bottom view



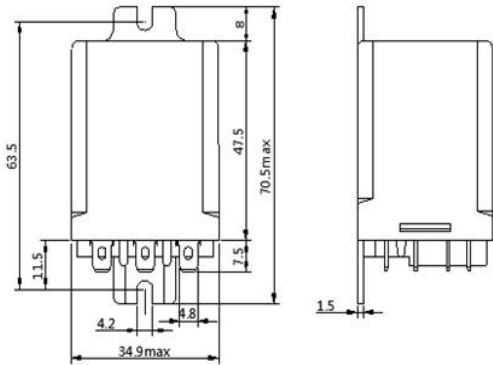
引出端形式 (S1)
Terminal type (S1)



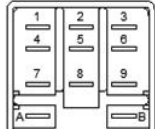
底视图
Bottom view

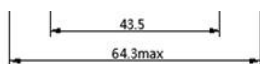


侧面附耳外壳 (C1)
Side flange cover (C1)



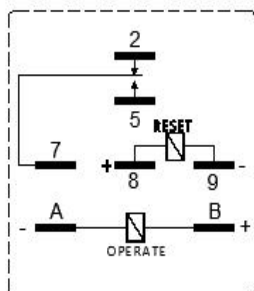
底视图
Bottom view



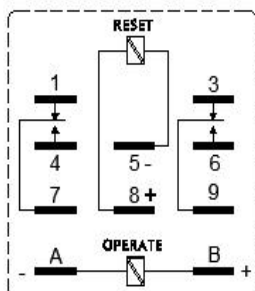


>Wire diagram

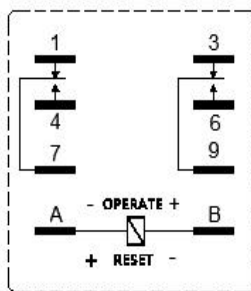
直流双线圈 1C
DC Dual wound SPDT



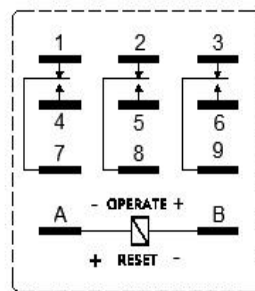
直流双线圈 2C
DC Dual wound DPDT



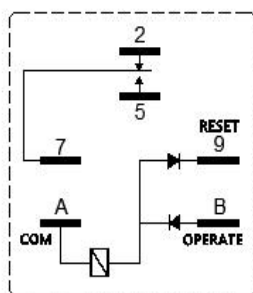
直流单线圈 2C
DC Single wound DPDT



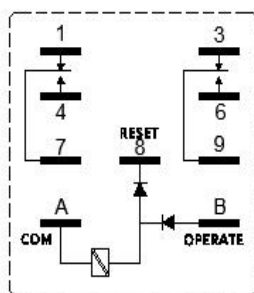
直流单线圈 3C
DC Single wound 3PDT



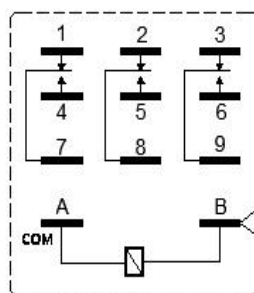
交流单线圈 1C
AC Single wound SPDT



交流单线圈 2C
AC Single wound DPDT



交流单线圈 3C
AC Single wound 3PDT



EXTERNAL DIODES REQUIRED

>>>socket (相关参数见BTA3插座说明)



BTA3-11A

