



BTA12-2C

Main Feature

- >30A high contact rating
- >3mm contact gape : 8mm creepage
- blowout magnet can be chosen
- >4000V ms dielectric between mutually insulated conductive and elements and frame
- >LED indicator, shows coil ON/OFF status
- >quick connect receptacals or direct soldering

How to order

Discription	BTA12	-2C	S	-C	ML	-24VDC-F
series: BTA12						
contact form 1Z:SDPDT 1X:SPNO 1Y:SPNC 2C:DPDT 2A:DPNO						
contact rating Blank:30A						
terminal type S:6.3*0.8mm / S1:4.8*0.8mm/ S2:4.8*0.5mm/ P1:2.3*0.8mm / P2:1.2*0.8mm						
cover style C:stander clear cover C1:side flange cover C3:top flange cover C4:din rail cover						
options M: manual test button (blank : with out button) L: LED indicator (blank : with out LED) B:blowout magnet (only for 2C DC loading) LED light color : AC: red DC: green						
Coil voltage A: AC DC: DC (6~110VDC 6~240VAC) blank:Coil class B 130 degrees F : Coil class F 155 degrees						

>Characteristic

type	1Z/1X/1Y		2C/2A	
	load	resistive	30A @28VDC/600VAC	
	motor	1hp@120VAC 2hp@208-600VAC		
switching power	840W/18000VA			
switching current	30A			
resistance	≤50mΩ			
material	AgCdO			
electrical life	100,000 ops			
mechanical life	10,000,000 ops			
must operate voltage (23℃)	DC:≤80%, AC: ≤85% 50/60HZ			
must release voltage (23℃)	DC:≥10%, AC: ≥30% 50/60HZ			
max voltage (23℃)	110%			
Insulation resistance	1000MΩ @500VDC			
power consumption	DC(W)	2.0W		
	AC(VA)	3.0VA		
operate time	AC≤30ms DC≤20ms			
release time	AC≤25ms, DC≤15ms			
dielectric strength	between open contact	2500VAC,1Min		
	pole to pole	2500VAC,1Min		
	contact to coil	4000VAC,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			

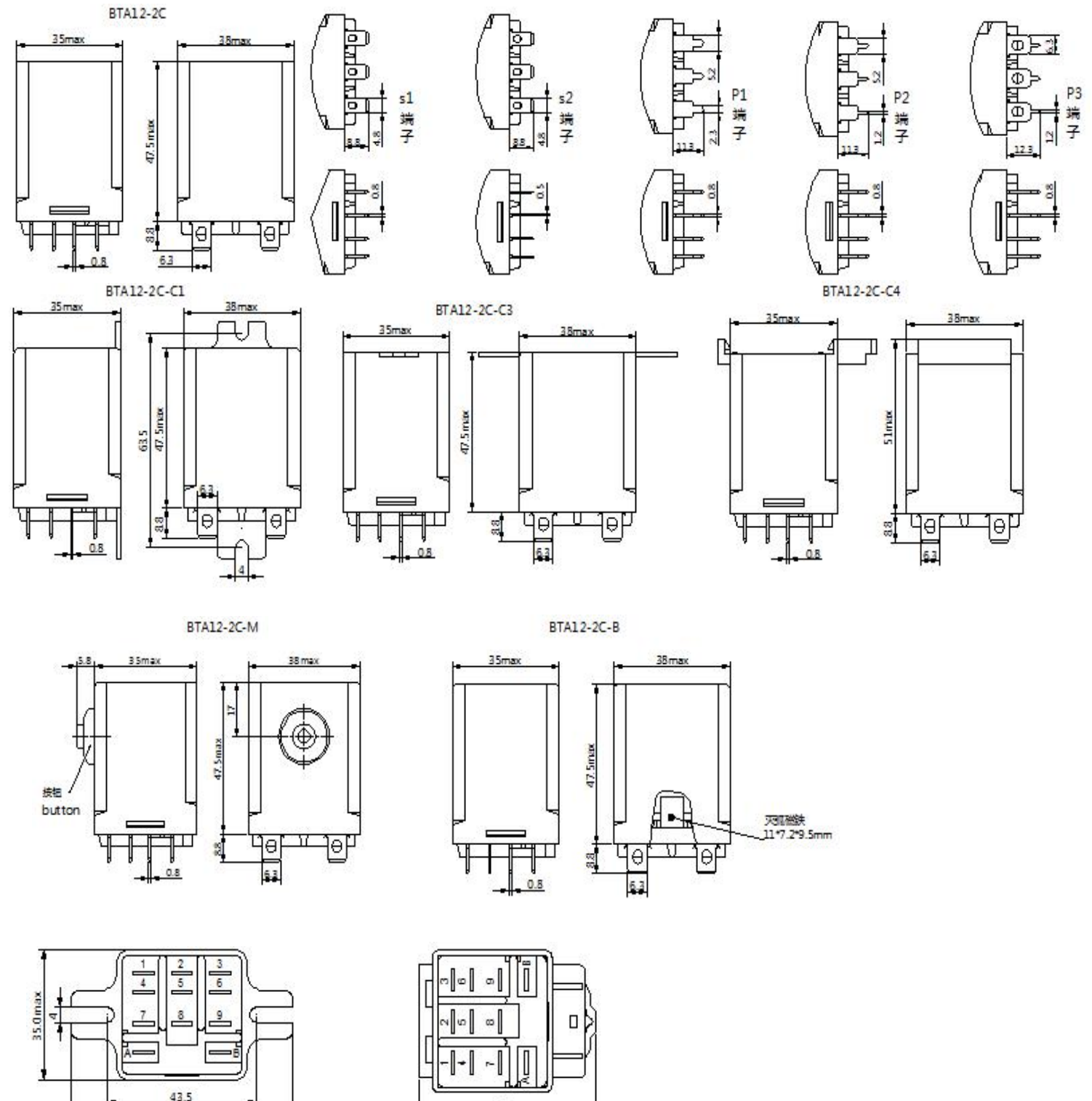
terminal types	plug in & PCB mounted
dimension	35mm×35mm ×56.3mm
weight	about 88g

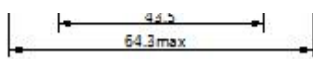
>Coil rating (temperature + 23°C)

Rated Voltage (V)	Must Operate (V)	Must Release (V)	Max (V)	Coil Resistance(Ω)±10%
DC	≤80%	≥10%	110%	6VDC
				12VDC
				24VDC
				48VDC
				110VDC
AC	≤85%	≥30%	110%	6VAC
				12VAC
				24VAC
				120VAC
				240VAC

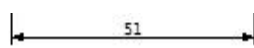
Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

>Dimension (mm)





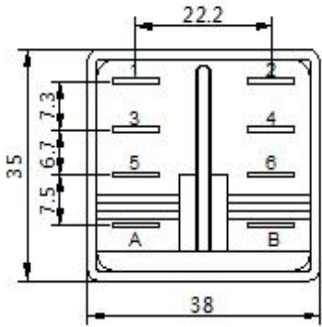
C3外壳



C4外壳

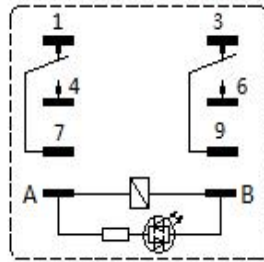
>Wire diagram

BTA12-2C

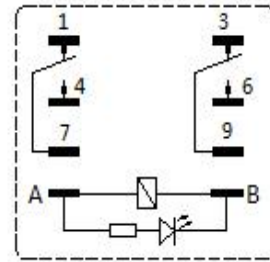


BTA12-2C/2A/1Z/1X/1Y

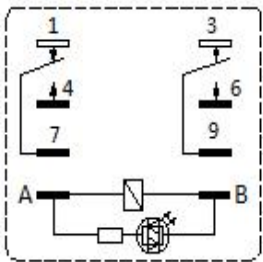
2C/DC



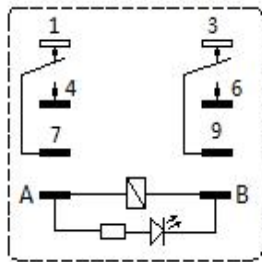
2C/AC



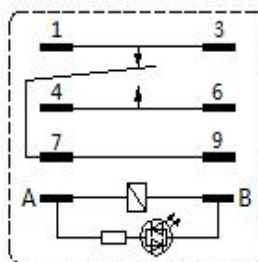
2A/DC



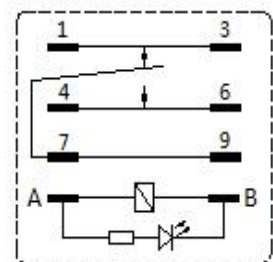
2A/AC



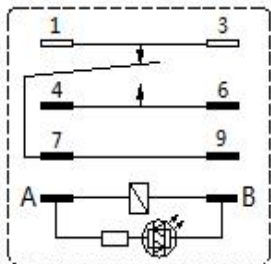
1Z/DC



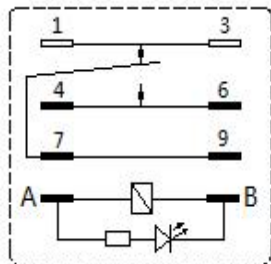
1Z/AC



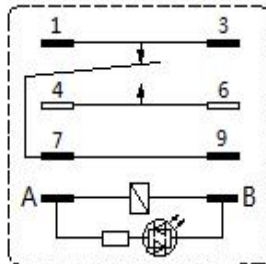
1X/DC



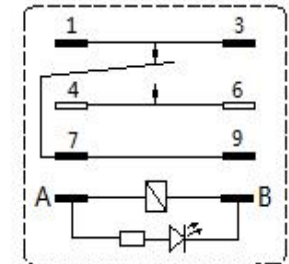
1X/AC



1Y/DC



1Y/AC



>>>socket (相关参数见BTA3插座说明)



BTA3-11A