

>>>Miniature Power Relay (BLY5)



BLY5-2C



BLY5-1C



BLY5-3C



BLY5-4C



Main Feature

- >20A high contact rating
- >various contact form: (1C)SPDT/ (2C)DPDT/ (3C)3PDT/(4C)4PDT
- >flag indicator: shows relay status in manual or powered condition
- >LED indicator : shows coil ON/OFF status
- >rotary button: allows manual operation of relay lockable

How to order

Discription	BM Y5	2C	5	S	C	M4WL
Type: BMY5						
contact form 2C:DPDT 3C:DPDT 4C:4PDT						
contact load 5:5A 10:10A						
terminal type S:stander plug in style P:PCB mounted pins						
cover style C:stander clear cover						

options:

- M: manual push button
- 4: lock down door
- W:without flag
- L: LED
- LED light color : AC: red DC: green

Coil voltage

A: AC D: DC (AC: 6V~240V DC: 6V~110V)

>Characteristic

		type	1C	2C	3C	4C		
contact	load	resistive	10A@28VDC/240VAC 20A@28VDC/120VAC/277VAC		10A@28VDC/240VA 12A@28VDC/277VAC 15A@120VAC			
		motor	1/3Hp,120VAC/ 1/2Hp,240VAC		1/2Hp,240VAC 3/4Hp,240VAC			
	switching power		560W, 5540VA			336W/3324VA		
	switching current		10A/20A		10A/20A		10A/12A 10A/12A	
	resistance		≤50mΩ					
	material		10A:AgNi 银镍 12A/15A/20A:AgSnO2 银锡					
	electrical life		10,000 ops					
	mechanical life		1000,000 ops					
must operate voltage (23°C)			DC:≤75%, AC: ≤80% 50/60HZ					
must release voltage (23°C)			DC:≥10%, AC: ≥30% 50/60HZ					
max voltage (23°C)			110%					
Insulation resistance			500MΩ @500VDC					
power consumption	DC(W)	0.89-1.1W						
	AC(VA)	1.2VA						
operate time			≤20ms					
release time			≤15ms					
dielectric strength	between open contact		1000VAC,1Min					
	pole to pole		1500VAC,1Min					
	contact to coil		1500VAC,1Min					
ambient temperature			-25°C~ +55°C (AC/DC)					
ambient humidity			5%RH~85%RH					
atmosphere			86-106KPa					
shock resistance (malfunction)			98m/s ²					
shock resistance (destruction)			980m/s ²					
vibration resistance			10Hz~55Hz, Double amplitude 1.0mm					

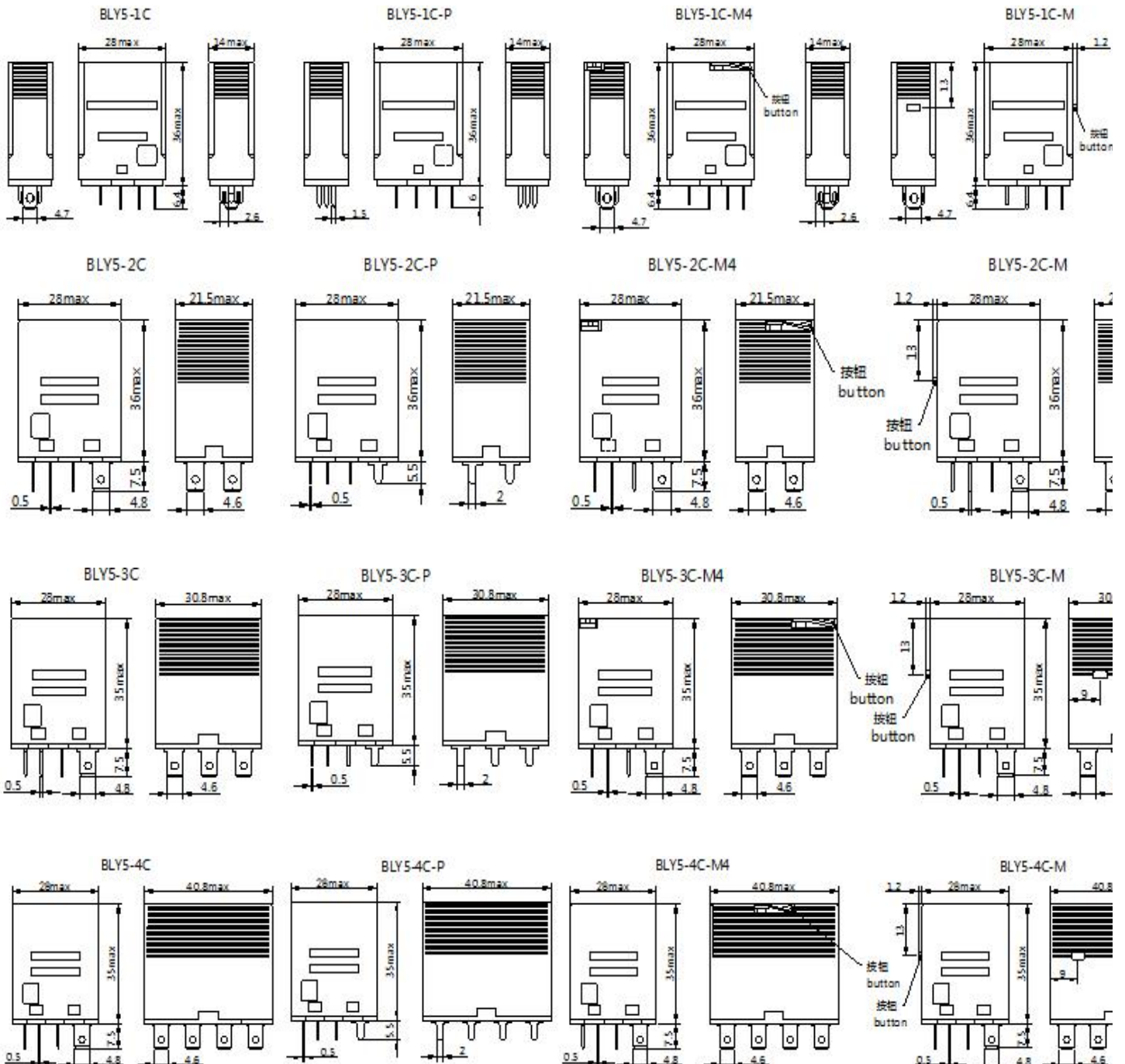
terminal types	plug in or PCB mounted terminal			
dimension	28×14×36 mm	28×21.5×36mm	28×30.8×36mm	28×40.8×36mm
weight	about 24g	about 37g	about 58g	about 78g

>Coil rating (temperature + 23°C)

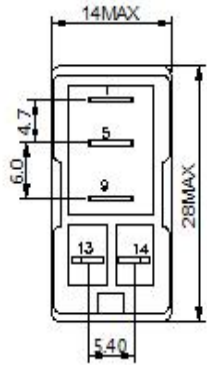
Rated Voltage (V)	Must Operate (V)	Must Release (V)	Max (V)	Coil Resistance(Ω)±10%				
				1C	2C	3C	4C	
DC	≤75%	≥10%	110%	6VDC	47	40	25	20
				12VDC	188	160	100	90
				24VDC	750	650	400	380
				48VDC	2600	2600	1600	1500
				110VDC	15125	11000	8500	7300
AC	≤80%	≥30%		6VAC	18.8	9.5	6	5
				12VAC	76.8	46	25.3	21
				24VAC	300	180	103	84
				48VAC	1280	770	460	340
				110VAC	6950	3830	220	180
			120VAC	7680	4430	2770	220	
			220VAC/230VAC	15000	15000	10800	8500	
240VAC	15720	157000	12100	9100				

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

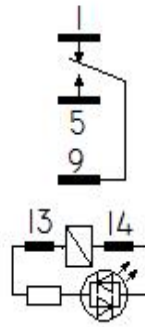
>Dimension (mm)



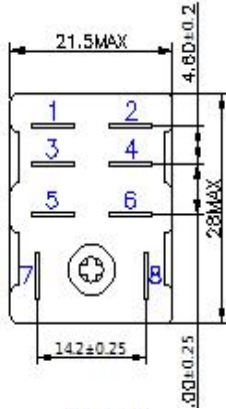
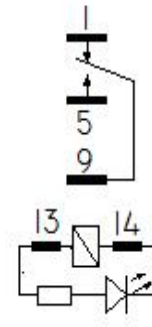
>Wire diagram



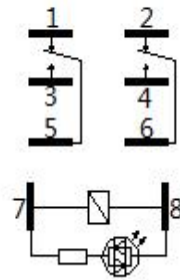
1C DC



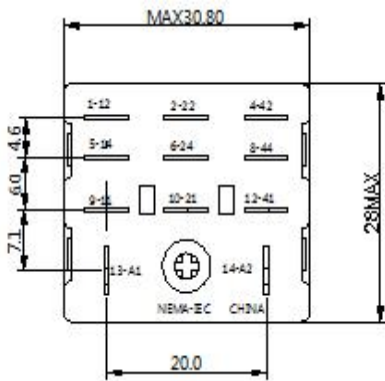
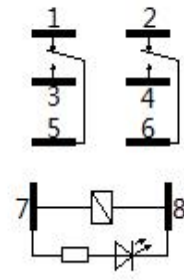
1C AC



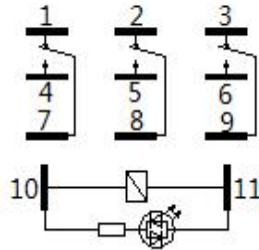
2C DC



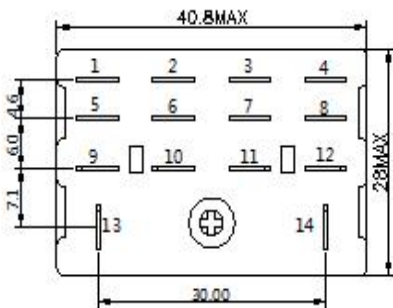
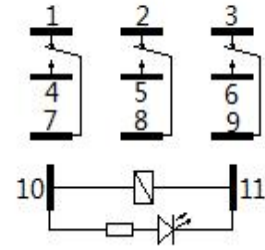
2C AC



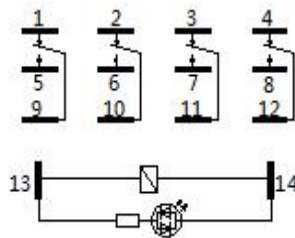
3C DC



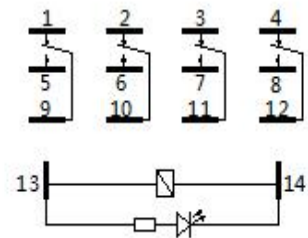
3C AC



4C DC



4C AC



>>>socket (相关参数见BMY5插座说明)

PTF-05AN	PTF-08A/B	PTF-08	PTF-11A/B	PTF-14A/B	

AY[®]



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