

## Power Relay Series 功率继电器系列 -- BPM3

### FEATURES特点

- Up to 20A contact switching capability  
高达20A触点切换能力
- Plastic and flux proof are available  
塑封型和防焊剂型可供选择
- 5kV dielectric strength (between coil and contacts)  
线圈与触点间介质耐压5kV
- Overall dimensions (29.3x12.8x20.4) mm  
外形尺寸 (29.3x12.8x20.4) mm



### CONTACT PARAMETERS触点参数

Relay Type 产品型号	BPM3		
Contact Form 触点形式	A/B/C-1组常开/常闭/转换		
Rating Load (Resistive) 额定负载 (阻性)	16A 277VAC	20A 125VAC	TV-8 125VAC
Max. Switching Current 最大切换电流	20A		
Max. Switching Voltage 最大切换电压	277VAC		
Max. Switching Power 最大切换功率	4432VAC		

### CHARACTERISTICS性能参数

Contact Materials 触点材料	Ag Alloy 银合金	
Contact Resistance 接触电阻	100mΩ Max	
Operate Time 吸合时间	15ms .Max	
Release Time 释放时间	8ms .Max	
Insulation Resistance 绝缘电阻	100MΩ Min.(DC500V)	
Initial Dielectric Strength 介质耐压	between open contacts: 断开触点间	AC1,000V,50/60Hz 1Min
	between contacts and coil: 触点与线圈间:	AC5,000V,50/60Hz 1Min
	Contact contact sets: 触点组间:	AC2,500V,50/60Hz 1Min
Vibration Resistance 抗振动	Damage limits: 耐久:	10~55Hz Double Amplitude 双振幅1.5mm
	Malfunction: 误动作:	10~55Hz Double Amplitude 双振幅1.5mm
Shock Resistance 抗冲击	Damage limits: 耐久:	100G Min
	Malfunction: 误动作:	10G Min
Life 寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1×10 <sup>7</sup>
	Electrical Life (1800 per hour) 电气寿命 (每小时1800次)	1×10 <sup>5</sup>
Ambient Temperature 环境温度	-40°C ~ +105°C (No condensation) (不冷凝)	
Unit Weight 单位重量	约Approx.13.5g	

## COIL RATINGS (at23°C) 线圈参数 (在23°C)

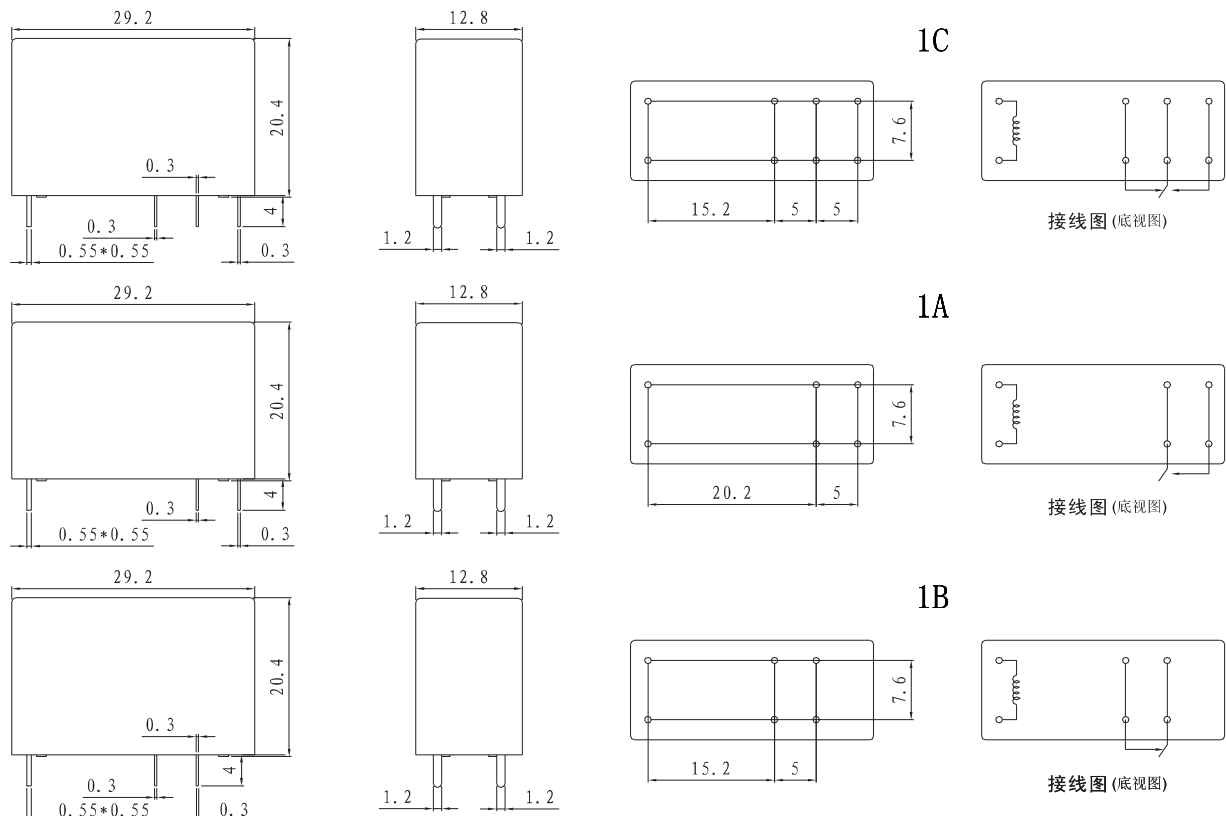
Coil Nominal Voltage 额定电压 (VDC)	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
5	108.00	47	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.54W 约0.54W
6	90.00	68				
9	60.00	150				
12	45.00	270				
18	30.00	600				
24	22.50	1100				
48	10.90	4400				

## ORDERING INFORMATION 订货标记

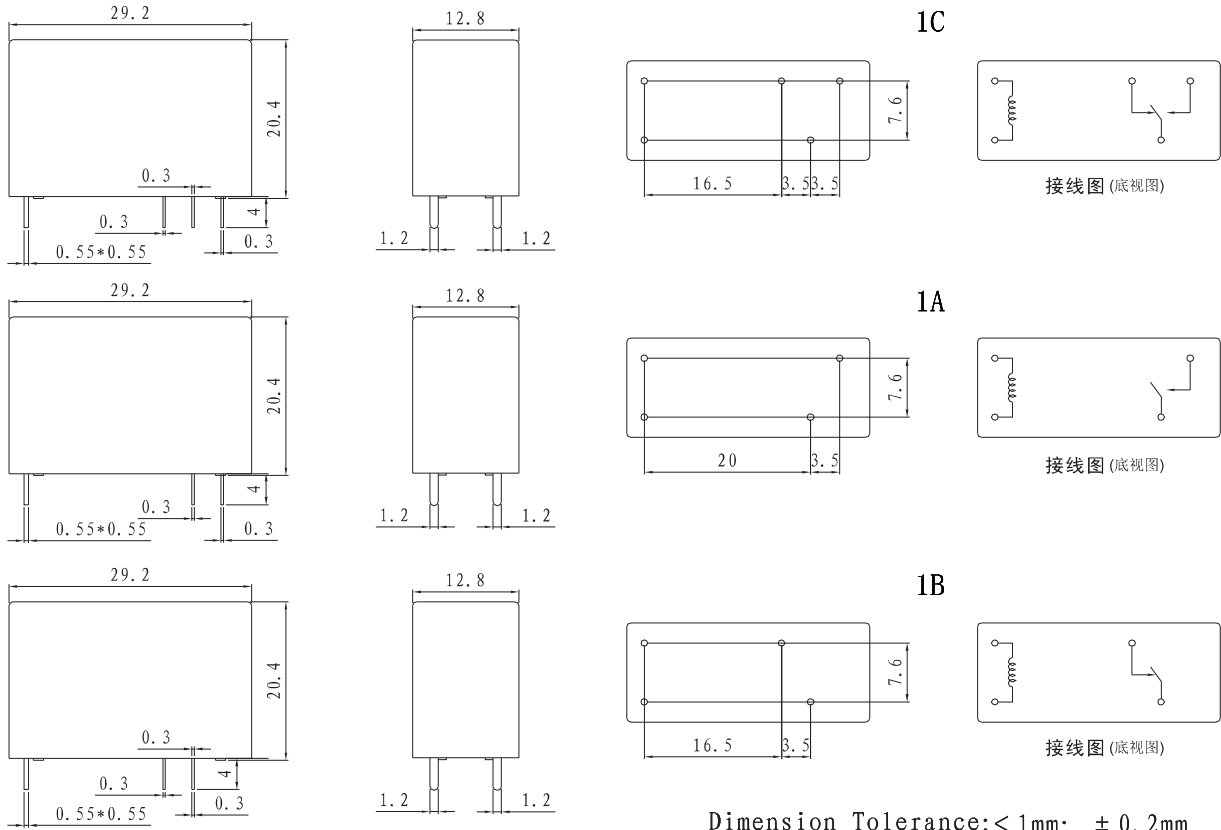
BPM3 - SS -1 12 LM (XXX)	
<span style="margin-right: 20px;"><u>1</u></span> <span style="margin-right: 20px;"><u>2</u></span> <span style="margin-right: 20px;"><u>3</u></span> <span style="margin-right: 20px;"><u>4</u></span> <span style="margin-right: 20px;"><u>5</u></span> <span><u>6</u></span>	
<p>1. Model Number基本型号 BPM3</p> <p>3. Number or pole : 1 - 1 pole 触点组数: 1 - 1 组触点</p> <p>5. Contact form: LM -1Form A, LB-1Form B, L -1Form C 触点形式: LM-1组常开 LB-1组常闭 L-1组转换</p>	<p>2. Encapsulation form:SS-Plastic Sealed SH:Fluk proofed 封装形式: SS-塑封型 SH-防焊剂型</p> <p>4. Coil Voltage线圈规格 (VDC) : DC5V,DC6V,DC9V,DC12V,DC18V,DC24V,DC48V</p> <p>6. Customer Special Code :XXX- Customer Special Requirements No - Standard Type H - 3.5mm Foot distance 客户特殊标记: 无 - 标准品 H - 3.5mm脚距</p>

## OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)

### BPM3 标准品



## BMP3-H 3.5mm 脚距



Dimension Tolerance: < 1mm: ± 0.2mm  
 1--5mm: ± 0.3mm  
 > 5mm: ± 0.5mm

### SAFETY STANDARD安规认证

TUV	1C: NO. 16A/250VAC 28VDC NC. 16A/250VAC 28VDC	1A: 16A/250VAC 28VDC	1B: 16A/250VAC 28VDC
UL 105°C	1C: NO. 16A/277VAC TV-8/125VAC 20A/125VAC NC. 16A/277VAC 1HP/240VAC	1A: 16A/277VAC 20A/125VAC TV-8/125VAC 1HP/240VAC	
CQC 105°C	1C: NO. 16A/250VAC NC. 16A/250VAC	1A: 16A/250VAC	1B: 16A/250VAC

### TYPICAL USE典型用途

- Home Appliances, Intelligent Control, Smart Home, Smart Plug, Air Conditioning, Microwave, Industrial Control, Etc..
- 家用电器, 智能控制, 智能家居, 智能插座, 空调, 微波炉, 工业控制等

### PERFORMANCE CHART性能曲线图

