



Plug in type

Plug in type

PCB type

**Features**

- Miniature;
- Contact load capacity up to 40A;
- Terminal types as inserting;
- Sealed type available, only for without bracket version.

**Ordering Information 订货说明**

<u>WM620</u>	<u>- 12</u>	<u>- A</u>	<u>- B</u>	<u>R</u>	<u>P</u>	<u>S</u>
1	2	3	4	5	6	7
1 Part number 继电器型号: WM620						
2 Coil rated Voltage(VDC)线圈额定电压: 6: 6V; 12: 12V; 24: 24V						
3 Contact Form 触点形式: A: 1A; B: 1B; C: 1C; U: 1U						
4 Cover 外壳: B: Insulation Bracket 带塑料安装背; M: Metal Bracket 带金属安装背; Q: Shrouded type with Metal Bracket(only plug in type)带裙边外壳(只有快接式)可配金属背, 需说明; Nil: No Bracket 没有安装背;						
5 Coil transient suppression 线圈瞬态抑制: D: with diode 带二极管; R: with resistance 带电阻; Nil: standard 常规						
6 Terminals 引出脚方式: P: PCB type 为PCB焊接式; Nil: plug in type 快接式						
7 Enclosure 封装方式: S: Sealed (only for without bracket version) 密封式 (只对无背式); Nil: unsealed 不密封						

**Contact Data 触点参数**

Contact Form 触点形式	1A (SPSTNO)、1B (SPSTNC)、1C (SPDT(B-M))、1U (SPSTNODM)			
Contact Material 触点材料	Ag Alloy			
Contact Rating (resistive) 触点负载 (阻性)	1A	1B	1C	1U
	40A/14VDC	30A/14VDC	NO: 40A/14VDC NC: 30A/14VDC	2×20A/14VDC
Max. Switching Voltage 最大切换电压	75VDC			
Max. Switching Current 最大切换电流	40A			
Max. Switching Power 最大切换功率	560W			
Contact Resistance or Voltage drop 接触电阻或接触压降	≤100mΩ			
Electrical Life 电气寿命	1×10 <sup>5</sup> 次			
Mechanical Life 机械寿命	1×10 <sup>7</sup> 次			

**Coil Parameter 线圈参数**

Dash numbers 规格	Coil voltage 线圈电压(VDC)		Coil resistance 线圈电阻 Ω±10%	Pickup voltage VDC(Max.) 最大起动电压	Release voltage VDC(Min.) 最小释放电压	Coil power 线圈功率	Operate Time 起动作时间	Release Time 释放时间
	Rated 额定	Max. 最大						
6V	6V	7.8V	20	3.9V	0.6V	1.8W	≤7 ms	≤5 ms
12V	12V	15.6V	80	7.8V	1.2V			
24V	24V	31.2V	320	15.6V	2.4V			
48V	48V	62.4V	1280	31.2V	4.8V			

### Operation condition 工作条件

Insulation Resistance 绝缘电阻		100MΩ Min. (at 500VDC)
Dielectric Strength 介电耐压	Between Contacts	50Hz 500VAC / 1 minute
	Between Coil and Contacts	50Hz 750VAC / 1 minute
Shock resistance 抗冲击		147m/s <sup>2</sup> 11ms
Vibration resistance 抗震		10~40Hz double amplitude 1.5mm
Terminals strength 引出端强度		100N 50N( for PCB type)
Solderability 可焊性		235°C±2°C 3±0.5s
Ambient Temperature 环境温度		-40°C ~ +85°C
Relative Humidity 相对湿度		85% (at 40°C)
Weight 重量(Approx.)		28g, 30g(Insulation Bracket), 31g(Metal Bracket)

### Layout (Bottom views, Unit: mm)外形尺寸、接线图 (底视图)

Dimensions / Wiring diagram (Bottom views)

**Insulation Bracket**

**Metal Bracket**

**Standard**

**Terminal Layout (Bottom views)**

**Shrouded type with Metal Bracket (only plug in type)**

**Terminal Layout (Shrouded type)**

**Coil: standard**    **Coil: with Resistance**    **Coil: with Diode**

**1A**    **1B**    **1C**    **1U**

**Wiring diagram (Bottom views)**