

**Features**

- Miniature;
- Contact load capacity up to 70A;
- Terminal types as inserting;
- Suitable for automobile and lamp accessories application.

Ordering Information 订货说明

<u>WM638</u>	<u>- 12</u>	<u>- A</u>	<u>- B</u>	<u>R</u>
1	2	3	4	5
1 Part number 继电器型号: WM638				
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				
4 Cover 外壳: B: Insulation Bracket 带塑料安装背; M: Metal Bracket 带金属安装背; 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				

Contact Data 触点参数

Contact Form 触点形式	1A (SPSTNO)、1B (SPSTNC)、1C (SPDT(B-M))		
Contact Material 触点材料	Ag Alloy		
Contact Rating (resistive) 触点负载 (阻性)	1A	1B	1C
	70A/14VDC	50A/14VDC	NO: 70A/14VDC, NC: 50A/14VDC
Max. Switching Voltage 最大切换电压	75VDC		
Max. Switching Current 最大切换电流	70A		
Max. Switching Power 最大切换功率	980W		
Contact Resistance or Voltage drop 接触电阻或接触压降	≤100mΩ		
Electrical Life 电气寿命	1×10 ⁵		
Mechanical Life 机械寿命	1×10 ⁷		

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.) 最大起动车电压	Release voltage VDC(Min.) 最小释放电压	Coil power 线圈功率	Operate Time 起动车时间	Release Time 释放时间
	Rated 额定	Max. 最大						
006-1800	6V	7.8V	20	3.9V	0.6V	1.8W	≤7 ms	≤5 ms
012-1800	12V	15.6V	80	7.8V	1.2V			
024-1800	24V	31.2V	320	15.6V	2.4V			



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 ² 11ms
Vibration resistance 抗震		10~40Hz double amplitude 1.5mm
Terminals strength 引出端强度		100N
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.)		40g,42g(Insulation Bracket), 45g(Metal Bracket)

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

