

**Features**

- Miniature;
- Contact load capacity up to 100(200)A;
- Suitable for automobile;
- Quick connection for coil;
- Bolt type terminal for contact load.

Ordering Information 订货说明

WM686	-12	-A	-100	-4.8
1	2	3	4	5
1. Part number 继电器型号: WM686; 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; 4. Max. Switching Current 最大切换电流: 100A, 120A, 200A 5. Coil Rate 线圈工作频率: 4.8W:Intermittent work 间隙工作; 2.4W: Continuous work 连续工作				

Contact Data 触点参数

Contact Form 触点形式	1A (SPSTNO)
Contact Material 触点材料	Ag Alloy
Contact Rating (resistive) 触点负载 (阻性)	100A/14VDC, 120A/14VDC, 200A/14VDC
Max. Switching Voltage 最大切换电压	40VDC
Max. Switching Current 最大切换电流	100A , 200A
Max. Switching Power 最大切换功率	1400W, 2800W
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

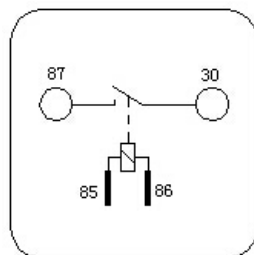
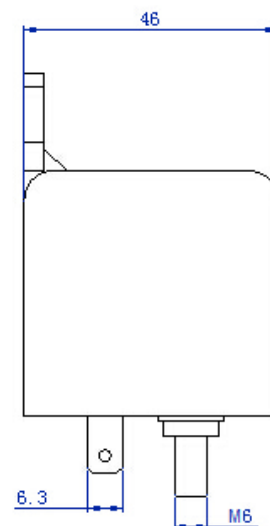
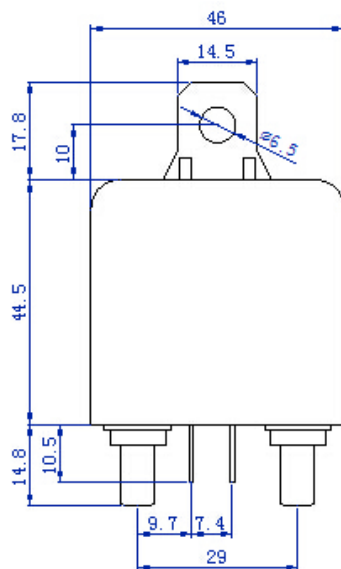
Dash numbers 规格	Coil voltage 线圈电压(VDC)		Coil resistance 线圈电阻 Ω±10%	Pickup voltage VDC(Max.) 最大起动电压	Release voltage VDC(Min.) 最小释放电压	Coil power 线圈功率	Operate Time 起动时间	Release Time 释放时间
	Rated 额定	Max. 最大						
006-4800	6	7.8	7.5	3.9	0.6	4.8W	≤10 ms	≤5 ms
006-2400	6	7.8	15	3.9	0.6	2.4W		
012-4800	12	15.6	30	7.8	1.2	4.8W		
012-2400	12	15.6	60	7.8	1.2	2.4W		
024-4800	24	31.2	120	15.6	2.4	4.8W		
024-2400	24	31.2	240	15.6	2.4	2.4W		

**Operation condition 工作条件**

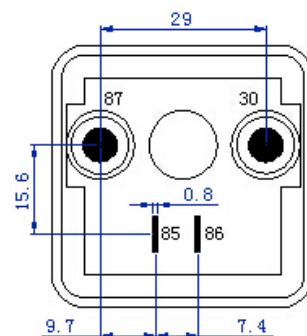
Insulation Resistance 绝缘电阻		100M Ω Min. (at 500VDC)
Dielectric Strength 介电耐压	Between Contacts	50Hz 500VAC / 1 minute
	Between Coil and Contacts	50Hz 750VAC / 1 minute
Shock resistance 抗冲击		147m/s ² 11ms
Vibration resistance 抗震		10~40Hz double amplitude 1.5mm
Terminals strength 引出端强度		100N
Solderability 可焊性		235℃ $\pm$ 2℃ 3 $\pm$ 0.5s
Ambient Temperature 环境温度		-40℃ ~ +85℃
Relative Humidity 相对湿度		85% (at 40℃)
Weight 重量(Approx.)		90g

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

Dimensions / Wiring diagram (Bottom views)



Wiring diagram (Bottom views)



Terminal Layout (Bottom views)