



Type A

Type B

Features

- 120A switching capability;
- Strong resistance ability to shock & vibration;
- Heavy load up 33240VA;
- 4kV dielectric strength(between coil and contacts);
- Environmental friendly product (RoHS compliant).

Ordering Information 订货说明

<u>WM831</u>	<u>-12</u>	<u>-A</u>	<u>-2</u>	<u>-(XXX)</u>
1	2	3	4	5
1 Part number 型号: WM831A, WM 831B				5 Customer special code 客户特殊要求
2 Coil rated Voltage(VDC)线圈额定电压: 12, 24				
3 Contact form 触点形式: A: 1A;				
4 Coil connection method 线圈接法: 2: 2 coil latching				

Contact Data 触点参数

Contact Form 触点形式	1A (SPSTNO)
Contact Material 触点材料	Silver Alloy
Contact Rating (resistive) 触点负载 (阻性)	1A 120A/ 250VAC
Max. Switching Voltage 最大切换电压	400VAC
Max. Switching Current 最大切换电流	120A
Max. Switching Power 最大切换功率	30KVA
Contact Resistance or Voltage drop 接触电压或接触压降	≤30mΩ (at 1A 24VDC)
Electrical Life 电气寿命	1×10 ⁴ (动作频率为 6 次/分钟 operating frequency:6 ops /min)
Mechanical Life 机械寿命	1×10 ⁵ (无负载, 动作频率为 120 次/分钟 No load at operating frequency of 120ops/min)

Coil Parameter 线圈参数

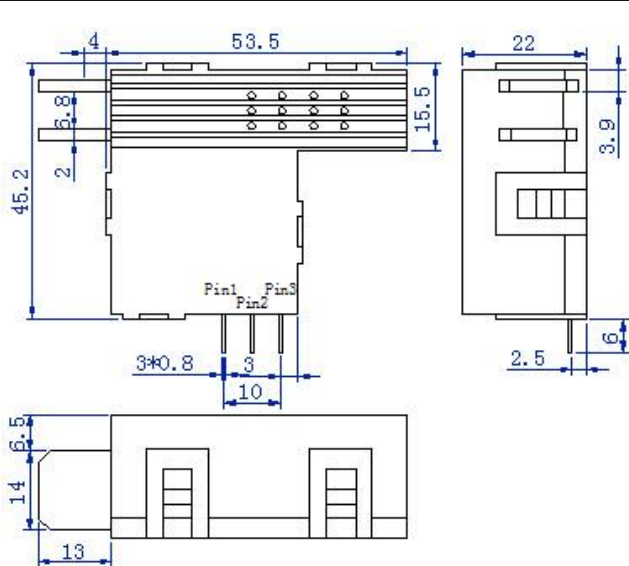
Coil Rated voltage 额定电压 (VDC)	Coil resistance 线圈电阻 Ω±10%		Pickup voltage VDC(max) 最大起动电压	Pulse magnitude (ms) 脉冲幅度	Coil power 线圈功率	Operate Time 起动时间	Release Time 释放时间
12V	2 coil latching	2×36	9.6V	100	2×4W	≤12 ms	≤6 ms
24V		2×144	19.2V	100			

**Operation condition 工作条件**

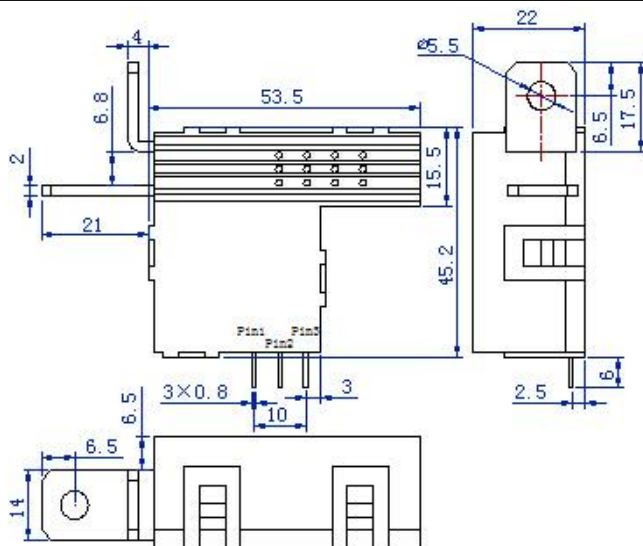
Insulation Resistance 绝缘电阻		1000M Ω min (at 500VDC)
Dielectric Strength 介质耐压	Between Contacts	50Hz 2000VAC / 1 minute
	Between Coil and Contacts	50Hz 4000VAC / 1 minute
Creepage distance		8mm
Shock resistance 抗冲击		Functional 100m/s ² ; Survival:1000 m/s ² 11ms
Vibration resistance 抗震		10~55Hz double 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.)		88g

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

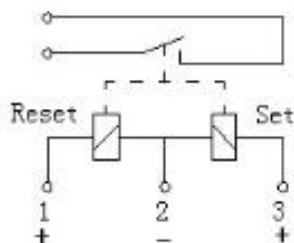
Dimensions / Wiring diagram (Bottom views)



Type A contact terminals



1Type B contact terminals



2 coil latching