

High Voltage Contactor
直流高压接触器 WM GY020

L×W×H(mm):81×44×64



- 1 Form A (SPST-NO) contact arrangement;
- Limiting continuous current 150A at 85°C;
- Suitable for voltage levels up to 450VDC;
- Compact structure Low noise Good safety;
- Threaded load terminals;
- Typical applications: electric control system of electromobile, motor forklift, Accessory relays for high voltage system, High speed pre-charging.

Ordering Information 订货说明

<u>WM GY020</u>	<u>- 12V</u>	<u>- 150</u>	<u>XXX</u>
1	2	3	4
1 Part number 型号: WM GY020			
2 Coil rated Voltage(VDC)线圈额定电压: 12: 12V; 24: 24V;			
3 Contact Rating 触点负载: 150: 150A@300VDC;			
4 Customer special code 客户特殊要求			

Contact Data 触点参数

Contact Form 触点形式	1A (SPSTNO)
Contact Rating (resistive)触点负载 (阻性)	150A/300VDC
Continuous current rating 额定连续电流	150 Amps (resistive)
Max. Switching Current 最大切换电流	1500A (resistive, 1 cycle Min.)
Max. Switching Voltage 最大切换电压	450VDC
Max. Switching Power 最大切换功率	45kW
Min. switching load 最小切换负载	1A 12VDC (resistive load at 20°C)
Contact Resistance or Voltage drop 接触电阻或接触压降	≤100mV@ 150A
Mechanical Life 机械寿命	1×10 ⁶ cycles
Electrical Life 电气寿命	5000cycles (150A/300VDC), at 1s ON, 5s OFF 26000cycles (150A/200VDC), at 1s ON, 5s OFF 32000cycles (150A/150VDC), at 1s ON, 5s OFF 45000cycles (150A/120VDC), at 1s ON, 5s OFF 60000cycles (150A/96VDC), at 1s ON, 5s OFF 100000cycles (150A/60VDC), at 1s ON, 5s OFF

Coil Parameter 线圈参数

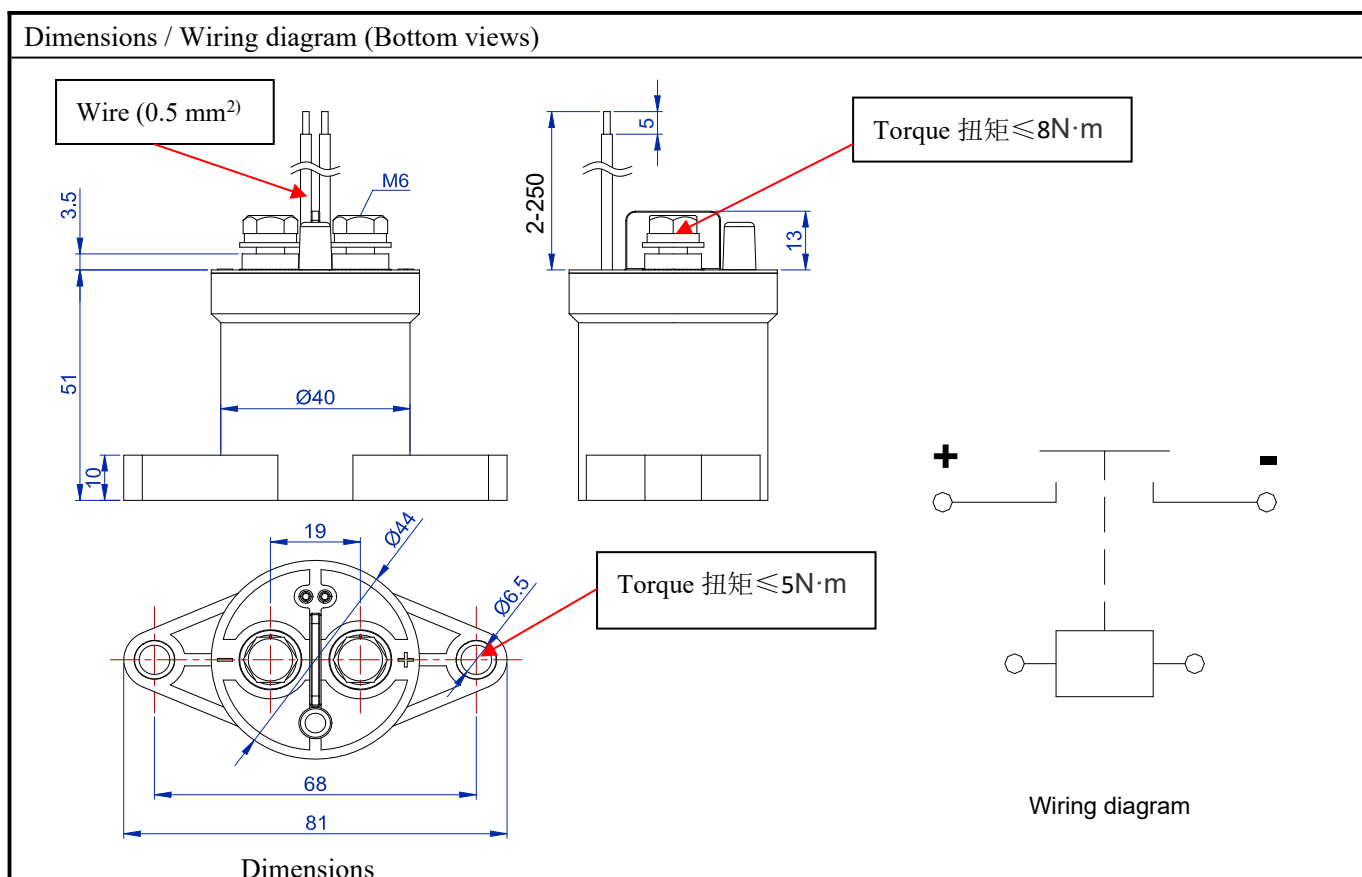
Dash numbers 规格	Coil voltage 线圈电(VDC)		Coil resistance 线圈电阻 Ω±10%	Pickup voltage VDC(Max.) 最大起动电压	Release voltage VDC(Min.) 最小释放电压	Coil power 线圈功率	Operate Time 起动时间	Release Time 释放时间
	Rated 额定	Max. 最大						
12V	12	16	28.8	9	1	5W	<30 ms	<10 ms
24V	24	32	115.2	18	2	5W		



Operation condition 工作条件

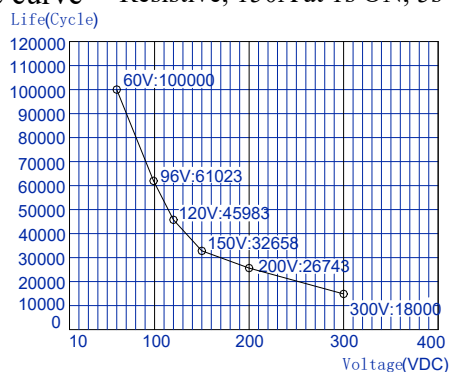
Insulation Resistance 绝缘电阻		200MΩ Min. (at 500VDC)
Dielectric Strength 介电耐压	Between Contacts	3000VAC / 1 min. (test current: 10mA)
	Between Coil and Contacts	3000VAC / 1 min. (test current: 10mA)
Ambient Temperature 环境温度		-40℃ ~ +85℃
Shock resistance 抗冲击	Operating extreme 稳定性	196m/s²{20G} (Sine half wave: 11ms,10μs)
	Damage Limit 强度	490m/s²{50G}(Sine half wave: 6ms)
Vibration resistance 抗震		10 ~ 500Hz, 49m/s²
Relative Humidity 相对湿度		5% ~ 85% (at 40℃)
Installation direction 安装方向		Arbitrary direction
Terminal type 脚位类型		Wire type(coil), M6 screw type(load)
IP level IP 等级		IP67
Weight 重量(Approx.)		245g

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



Reference Data 性能曲线图

Life curve Resistive, 150A at 1s ON, 5s OFF



Ambient Temperature: 85℃, Connecting wire: 50mm²

Continuous current time

