

High Voltage Contactor
直流高压接触器 **WM682-2**

L×W×H(mm):66×34×52.5mm



- 1 Form A (SPST-NO) contact arrangement;
- The working temperature is up to 85°C;
- Coils can be matched with diodes or resistors;
- Compact structure, good safety;
- With Arc-extinguishing devices;
- Typical applications: electric control system of electromobile, motor forklift, Accessory relays for high voltage system, air conditioner, warm air blower and other devices.

Ordering Information 订货说明

<u>WM682-2</u>	<u>- 12</u>	<u>A</u>	<u>- D</u>	<u>- S</u>	<u>- Q</u>	<u>XXX</u>
1	2	3	4	5	6	7
1 Part number 型号: WM682-2						
2 Coil rated Voltage(VDC)线圈额定电压: 12: 12V; 24: 24V; 48:48V						
3 Contact Form 触点形式: A: 1 Form A						
4 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						
5 Enclosure 封装方式: S: Sealed 密封式;						
6 Coil pin type 线圈导线连接方式: Nil: Wire type (without quick connector) 不带对插件; Q: Wire type (with quick connector)带对插件;						
7 Customer special code (length of wire, type of connector)客户特殊要求 (导线长度, 对插件类型等)						

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)	60A/110VDC 120A/86VDC
Max. Continuous current rating 最大连续电流	150 Amps @ 23 °C
Max. Switching Current 最大切换电流	300A
Max. Switching Voltage 最大切换电压	220VDC
Max. Switching Power 最大切换功率	10kW
Contact Resistance or Voltage drop 接触电阻或接触压降	≤80mV (@ 10A 13.5V)
Mechanical Life 机械寿命	1×10 ⁷ cycles
Electrical Life 电气寿命 (at 23 °C) 常温 1s on 5s off 1 秒通 5 秒断	50000cycles (60A/110VDC), 50000cycles (120A/86VDC), 50000cycles (150A/60VDC), 100000cycles (150A/14VDC)

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	13.2	60	7.8	1.2	2.4W	<50 ms	<50 ms
24V	24	26.4	240	15.6	2.4			
48V	48	52.8	960	31.2	4.8			



Operation condition 工作条件

Insulation Resistance 绝缘电阻		100MΩ Min. (at 500VDC)
Dielectric Strength 介质耐压	Between Contacts	1000VAC / 1 min. (test current: 10mA)
	Between Coil and Contacts	1000VAC / 1 min. (test current: 10mA)
Ambient Temperature 环境温度		-40℃ ~ +85℃
Shock resistance 抗冲击	Operating extreme 稳定性	96m/s ² {10G} (Sine half wave: 11ms,10μs)
	Damage Limit 强度	960m/s ² {100G}(Sine half wave: 6ms)
Vibration resistance 抗震		10 ~ 500Hz, 49m/s ² {5G}
Relative Humidity 相对湿度		25% ~ 80%RH (at 40℃)
Installation direction 安装方向		Horizontal
Terminal type 脚位类型		Wire type(coil) , M6 screw type(load)
IP level IP 等级		IP67
Weight 重量(Approx.)		90g

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

