



High Voltage Contactor 直流高压接触器 WM EV86

L×W×H(mm):76.5×45×59.5mm



- Limiting continuous current 250A ;
- Suitable for voltage levels up to 200VDC;
- Compact structure, good safety;
- With Arc-extinguishing devices;
- Threaded load terminals;
- Typical applications: electric control system of electromobile, motor forklift, Accessory relays for high voltage system and other devices.

Ordering Information 订货说明

<u>WM EV86</u>	<u>- 12</u>	<u>A</u>	<u>- R</u>	<u>- S</u>	<u>- Q</u>	<u>XXX</u>
1	2	3	4	5	6	7
1 Part number 型号: WM EV86						
2 Coil rated Voltage(VDC)线圈额定电压: 12: 12V; 24: 24V						
3 Contact Form 触点形式: A: 1 Form A; B: 1 Form B; C: 1 Form C						
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; 1B; 1C
Contact Material 触点材料		Silver alloy
Contact Rating (resistive)触点负载 (阻性)		NO: 250A/200VDC , NC: 200A/200VDC
Continuous current rating 额定连续电流		NO: 250 Amps, NC: 200Amps (Resistive @ 23 °C)
Max. Switching Current 最大切换电流		NO: 1200A /60VDC, NC: 1000A/60VDC (Resistive, 1 cycle Min.)
Max. Switching Voltage 最大切换电压		750VDC/2A (Resistive, 1 cycle Min)
Current Loading 载流能力 (at 23 °C)	NO	250A: Continuous; 300A:20 minutes; 600A: 2 minutes; 1000A: 10 seconds; 1500A: 0.6 second
	NC	200A: Continuous; 250A: 20 minutes; 500A: 2 minutes; 800A: 10 seconds; 1200A: 0.6 second
Contact Resistance or Voltage drop 接触电阻或接触压降		≤0.18V @ 100A
Mechanical Life 机械寿命		1×10 ⁶ cycles
Electrical Life 电气寿命 (at 23 °C) 常温 1s on 9s off 1 秒通 9 秒断	NO	Switching: 3000 cycles (250A/200VDC); 5000 cycles (150A/200VDC)
		Making: 60000 cycles (250A/200VDC)
	NC	Switching :3000 cycles (200A/200VDC); 5000 cycles (120A/200VDC)
		Making: 60000 cycles (200A/200VDC)

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						
12V	12	16	30	9	1.0	4.8W	<30ms	<15 ms
24V	24	32	120	18	2.0			



Operation condition 工作条件

Insulation Resistance 绝缘电阻		1000MΩ Min. (at 500VDC)
Dielectric Strength 介质耐压	Between Contacts	2000VAC / 1 min.
	Between Coil and Contacts	2000VAC / 1 min.
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	980m/s ² {100G}(Sine half wave: 6ms)
Vibration resistance 抗震		10 ~ 500Hz, 49m/s ² {5G}
Relative Humidity 相对湿度		5% ~ 85%RH (at 40℃)
Installation direction 安装方向		Horizontal
Terminal type 脚位类型		Wire type(coil) , M8 screw type(load)
IP level IP 等级		IP67
Weight 重量(Approx.)		140g(1A,1B), 150g(1C)

Layout (Unit: mm)外形尺寸、接线图 (底视图)

