


BM EV86
L×W×H(mm): 76.5×45×41.5(+18)mm

- 1 Form A contact arrangement;
- Carrying current 250A continuously at 85°C;
- Typical applications: new energy automobile.

Ordering Information 订货说明

BM EV86	- 12	A	200	XXX
1	2	3	4	5
<p>1 Part number 型号: BM EV86</p> <p>2 Coil rated Voltage (VDC) 线圈电压: 12: 12V; 24: 24V</p> <p>3 Contact Form 触点形式: A: 1 Form A;</p> <p>4 Contact load 触点负载: 200: 200A/110VDC 250: 250A/110VDC</p> <p>5 xxx: Customer special code 客户特殊要求</p>				

Contact Data 触点参数

Contact Form 触点形式	1A (1 Form A)
Contact Material 触点材料	Silver alloy
Contact Rating (resistive) 触点负载 (阻性)	200A/110VDC
Max. Breaking Current 最大切换电流	1200A @ 60VDC 一次以上
Max. Switching Voltage 最大切换电压	750VDC/2A 一次以上
Max. Switching Power 最大切换功率	22000W
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 Is on 9s off 1秒通9秒断	切换: 1*10 ³ cycles (250A/110VDC) 5*10 ³ cycles (200A/110VDC) 接通: 6*10 ⁴ (250A/110VDC)
Current Tolerance 电流耐受	250A: continuous 持续 / 300A: 20min 600A: 2min / 1000A: 10s / 1500A: 0.6s

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	15.6	30	9	1	4.8W	<50ms	<30ms
24V	24	31.2	120	18	2			

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°C ~ +85°C
Shock resistance 抗冲击	Functional 稳定性	96m/s ²
	Destructive 强度	960m/s ²
Vibration resistance 抗震		10~500Hz, 49m/s ²
Relative Humidity 相对湿度		5%~85%RH
接线螺栓拧紧力矩		< 11 N/m
Weight 重量(Approx.)		139g

Layout (Unit: mm)外形尺寸、接线图

