



BM682

L×W×H(mm): 66×34×52.5mm

- 1 Form A contact arrangement;
- Carrying current 90A continuously at 85°C;
- With Arc-extinguishing devices.
- Compact structure, good safety.

Ordering Information 订货说明

<u>BM682</u> 1	- <u>12</u> 2	<u>A</u> 3	<u>D</u> 4	<u>S</u> 5	<u>Q</u> 6	<u>XXX</u> 7
1 Part number 型号: BM682						
2 Coil rated Voltage (VDC) 线圈电压: 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.; R: with resistance Nil: standard						
5 Enclosure 封装方式: S: Sealed						
6 Coil pin type 线圈脚形式: Nil: Wire type (without quick connector); Q: Wire type(with quick connector)						
7 xxx: Customer special code 客户特殊要求						

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	50A/110VDC
Max. Breaking 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	5.5KW
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 9秒断	5*10 ⁴ (10A/200VDC,5A/220VDC,35A/110VDC,45A/96VDC,80A/60VDC,60A/72VDC) 1.5*10 ⁴ (50A/110VDC) 1*10 ⁵ (90A/12VDC-48VDC)

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	60	7.8	1.2	2.4W	≤50 ms	≤50 ms
24V	24	31.2	240	15.6	2.4			

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.
	Between Coil and Contacts	1000VAC/1 min.
Ambient Temperature 环境温度		-40°C ~ +85°C
Shock resistance 抗冲击	Functional 稳定性	96m/s ² (10G)
	Destructive 强度	960m/s ² (100G)
Vibration resistance 抗震		10 ~ 500Hz, 49m/s ² (5G)
Relative Humidity 相对湿度		25% ~ 80%RH
Terminal type		Wire type(coil), M6 screw type (load)
Weight 重量(Approx.)		90g

Layout (Unit: mm)外形尺寸、接线图

