

BM684H

32*26.5*23.5mm

QUICK DETAILS 特点

- Brand Name: Sinetong
- Model Number: BM684H
- 1 Form A、C contact arrangement;
- The working temperature is up to 85°C
- Coils can be matched with diodes or resistors
- With Arc-extinguishing devices
- Contact Load: Max.80A switching capability

ORDER INFORMATION 订购说明

BM684H - 12 - A - R - P - S XXX

1 2 3 4 5 6 7

1.Model Number 继电器型号: BM684H

2.Coil Rated Voltage(DC)线圈额定电压: 6V; 12V; 24V;

3.Contact Form 触点形式: A: 1A C:1C

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.Terminals 引出脚方式:P: PCB type; PCB 焊接式 Nil: QC type 快插式

6.Construction 封装方式: S:Sealant 密封式; D: Dust-proof 防尘式

7.XXX:Customer special specification 客户特殊要求

COIL DATA 触点参数

NO.	Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$	Pick-up Voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Coil Power	Operate Time	Release Time
	Rated	Max.						
006	6	7.8	22.5	3.9	0.6	1.6W	$\leq 10\text{ms}$	$\leq 10\text{ms}^*1$
012	12	15.6	90	7.8	1.2			
024	24	31.2	360	15.6	2.4		$\leq 15\text{ms}$	$\leq 15\text{ms}^*2$
048	48	62.4	1440	31.2	4.8		$\leq 20\text{ms}$	$\leq 20\text{ms}^*2$

Notes: *1) With resistance + 5ms; With diode + 10ms

*2) With diode + 10ms

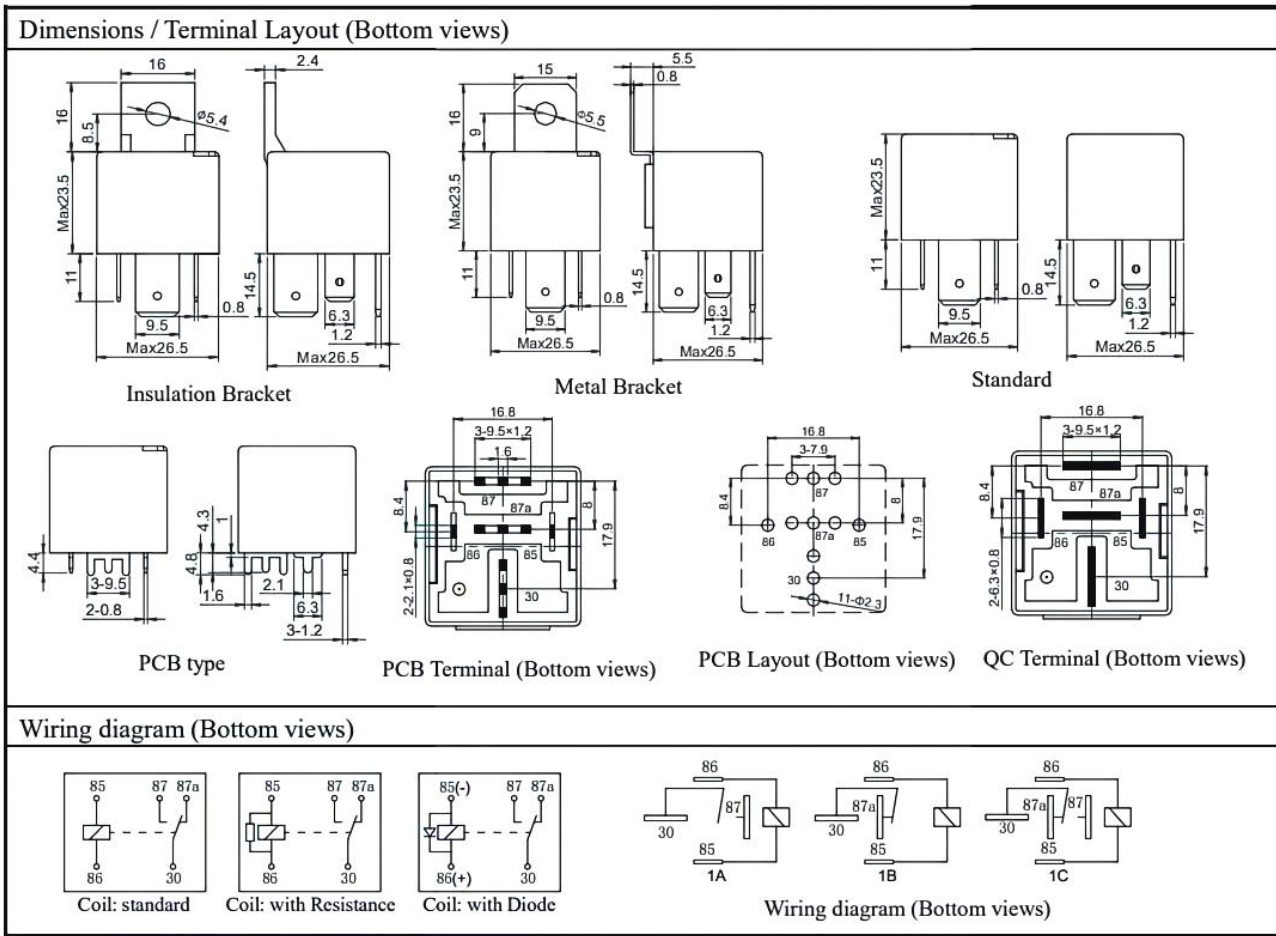
CONTACT DATA 线圈参数 (at 20°C)

Contact Form	1A (SPSTNO)、1B (SPSTNC)、1C (SPDT(B-M))		
Contact Material	Ag Alloy		
Contact Load	1A	1B	1C
	80A/14VDC	60A/14VDC	NO:80A/14VDC NC:60A/14VDC
Max. Switching Power	1120W		
Max. Switching Voltage	75VDC		
Max. Switching Current	80A		
Contact Resistance	100m Ω (1A, 24VDC)		
Life	Electrical	1×10^5	
	Mechanical	1×10^7	

GENERAL DATA 工作条件

Insulation Resistance	100M Ω Min.(at 500VDC)
Dielectric Strength	Disconnect Between Contact: 500VAC
	Between Coil & Contacts: 750VAC/min
Anti Vibration Type	10Hz~55Hz Double Amplitude 3.0mm
Shock resistance	294m/s ²
Terminals strength	100N
Solderability	250°C \pm 3°C 5 \pm 0.5s
Ambient Temperature	-40°C~125°C (No freezing)
Relative Humidity	85% RH, 40°C
Weight	38g, 41g(Insulation Bracket), 46g(Metal Bracket)

Installation Diagram 外形尺寸, 接线图 (Unit: mm)



Remarks: (1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $\geq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$
 (2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

Performance Chart 性能曲线图

1. Coil operating voltage range

