

特 性 FEATURES

20A 触点切换能力
 工作温度高达 125°C
 具有一组常开型触点形式
 外形尺寸: 15×16×23.7mm

20A Switching capability
 Ambient temp. can up to 125°C
 1 Form A contact Arrangement
 Outline dimensions: 15×16×23.7mm

触点参数 CONTACT PARAMETERS

触点形式 Contact Arrangement	1A
触点材料 Contact Material	银合金 Silver Alloy
接触压降 Voltage Drop (初始 Initial)	典型值 Typ. 20mV, 最大值 Max. 250mV
最大连续电流 Maximum continuous current	20A
电气寿命 Electrical Life	见附表 1 See schedule 1
机械寿命 Mechanical Life	1×10 ⁶ 次 OPS

附表 1 SCHEDULE 1

负载电压 Load Voltage	负载类型 Load Type		负载电流 Load Current A	通断比 On/Off Ratio S		电耐久性(次) Electrical Endurance OPS	试验环境温度 Ambient Temp.
			1A	接通 On	断开 Off		
14VDC	阻性 Resistive	接通 Make	20	2	2	1×10 ⁵	详见电耐久性试验 环境温度曲线 See Ambient Temp. Curve
		断开 Break	20	2	2	1×10 ⁵	
	感性 Flasher	接通 Make	40	2	2	1×10 ⁵	
		断开 Break	20	2	2	1×10 ⁵	
	灯 Lamp	接通 Make	100	2	2	1×10 ⁵	
		断开 Break	20	2	2	1×10 ⁵	

性能参数 CHARACTERISTICS

绝缘电阻 Insulation Resistance	100MΩ (500VDC)
介质耐压 Dielectric Strength	触点与线圈间 Between Coil & Contacts: 500VAC 1min
	断开触点间 Between Open Contacts: 500VAC 1min
动作时间 Operate Time	≤10ms
释放时间 Release Time	≤10ms
环境温度 Ambient Temperature	-40°C~+125°C
振动 Vibration Resistance	10Hz~500Hz 49m/s ² (5G)
冲击 Shock Resistance	196m/s ² (20G)
引出端方式 Terminal Form	快速接式引出端 QC
封装形式 Construction	塑封型 Sealed
重量 Unit Weight	约 Approx.: 13g
机械性能 Mechanical Data	外壳保持力: (拉和压) 200N Cover Retention: (Pull & Push) 200N
	引出脚保持力: (拉和压) 100N Terminal Retention: (Pull & Push) 100N
	引出脚抗弯曲力: (各方向) 10N Terminal Resistance To Bending: (Front & Side) 10N

订货标记示例 ORDERING INFORMATION

	MAT	-S	-1	12	-A	-R
产品型号 Model:	MAT					
产品结构 Structure:	S: 塑封型 Sealed					
触点组数 Contact Group:	1: 1 组 1 Group					
线圈电压 Coil Voltage:	12:12VDC					
触点形式 Contact Form:	A: 常开 NO					
线圈并联元件 Parallel Coil Components	无 nil: 无并联原件 Without parallel components R: 并联电阻 With Resistor D1: 并联二极管(阳极接#86)With Parallel Diode (Anode on 86) D2: 并联二极管(阳极接#85)With Parallel Diode (Anode on 85)					

线圈规格表

COIL DATA(23°C)

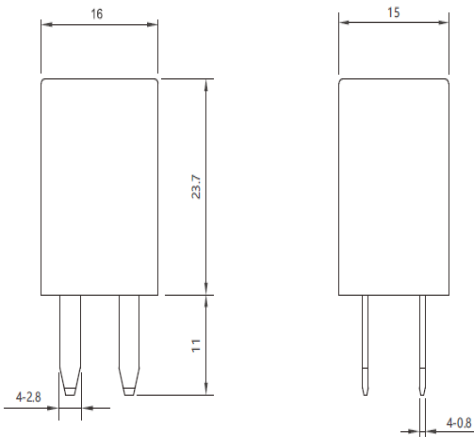
额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	线圈电阻 Coil Resistance Ω±10%	并联电阻 Parallel Resistance Ω±10%	等效电阻 Equivalent Resistance Ω±10%	线圈功率 Coil Power W
12	≤8.4	≥1.2	150	-	-	约 Approx. 0.95
12	≤8.4	≥1.2	150	1000	130	约 Approx. 1.1

外形尺寸、接线图

OUTLINE DIMENSIONS AND WIRING DIAGRAM (单位 Unit: mm)

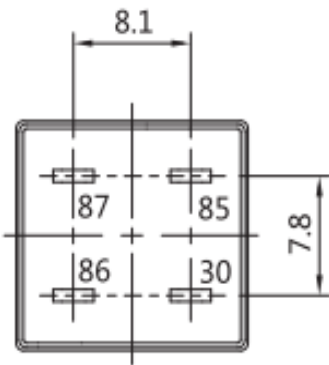
外形尺寸

Outline Dimensions



底视

Bottom View



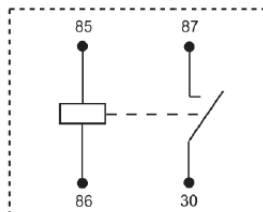
备注：产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm，公差为±0.2mm；当外形尺寸在 1~5mm 之间时，公差为±0.3mm；当外形尺寸 > 5mm 时，公差为±0.4mm；

REMARK:

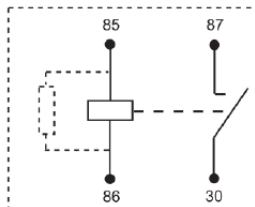
In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension > 1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension > 5mm, tolerance should be ± 0.4mm;

接线图 Wiring Diagram (底视 Bottom View)

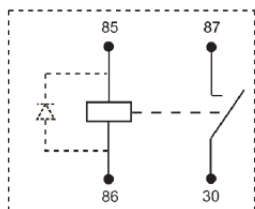
MAT-S-1□□-A



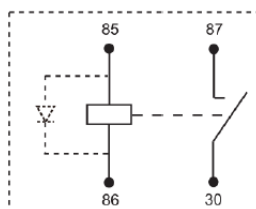
MAT-S-1□□-A-R



MAT-S-1□□-A-D1



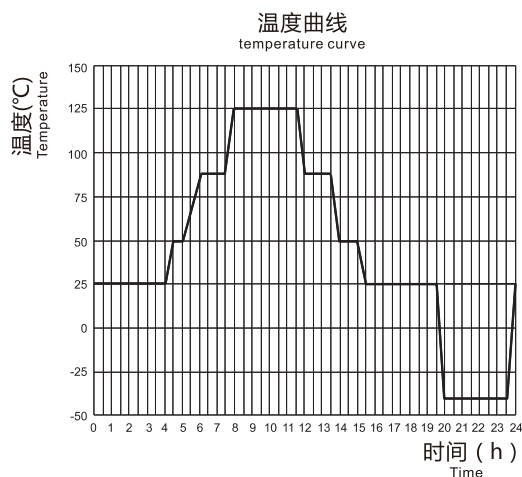
MAT-S-1□□-A-D2



性能曲线图 PERFORMANCE CURVE

电耐久试验环境温度曲线

Environmental Temperature Curve Of Electric Endurance Test



说明：

- (1) 最低温度为-40℃。
- (2) 最高温度为125℃

- 1) The minimum temperature is -40℃.
- 2) The maximum temperature is 125℃

声明：

本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。

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