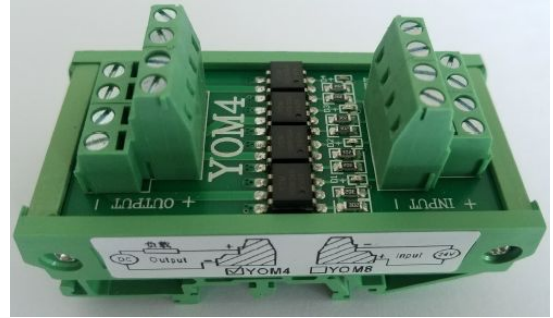


YOM4/24D2006模组——2A 60V Opto-MOS module

概述 Features

- 4合1光MOS继电器模组 4 in 1 Opto-MOS module
- 负载电流至2A Load current up to 2A
- 阻断电压60V Peak off-state voltage 60V
- 带工作状态显示 Operating display
- 带导轨快连接安装卡扣 Rail fast mount



应用 Applications

- 工业控制 Industrial control

打印标志 Marking Information

Part Number	Package	Marking
YOM4/24D2006	导轨快速安装	YOM4 24D2006

极限值 Absolute Maximum Ratings (单个SSR)

(Ta=25°C)

特性参数/Parameter		符号/Symbol	测试条件/Test Condition	最小值/Min.	典型值/Typ.	最大值/Max.	单位/Unit
输入端/Input	正向电流/LED forward current	I_F				50	mA
	反向电流/LED reverse current	I_R	$V_R=5V$			10	μA
输出端/Output	断态泄漏电流/Output off-state leakage current	I_R	$V_D=60V$			10	μA
	阻断电压/Repetitive peak Off-state voltage	V_{DRM}		60			V
	额定连续电流/Continuous rating current	I	$V_{IN}=24V$			2000	mA
	峰值电流/Peak current	I	10ms		2800		mA

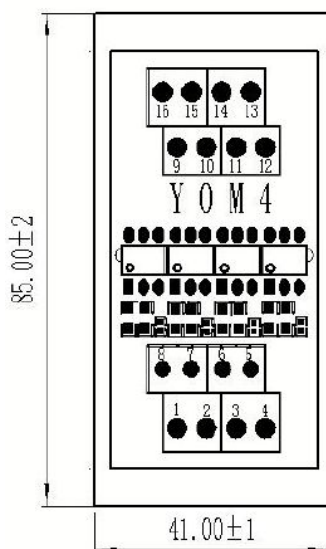
电参数 Electrical Parameters (单个SSR)

(Ta=25°C)

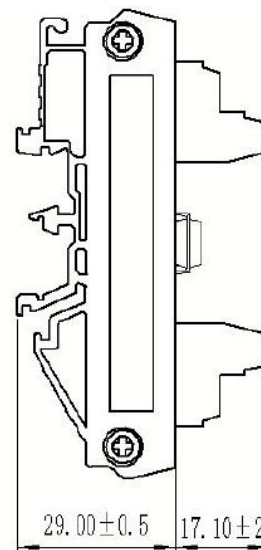
特性参数/Parameter		符号/Symbol	测试条件/Test condition	最小值/Min.	典型值/Typ.	最大值/Max.	单位/Unit
输入端/Input	输入电流/ Input current	I_{IN}	$V_{in}=V_{in}+20\%V$		13	18	mA
输出端/Output	额定电流/ On-state RMS current	I	$V_{in}=24V$			2000	mA
耦合特性/Transfer characteristics	工作电压/Operating voltage	V_{In}		19	24	28.8	V
	导通电压降/Output on-state voltage drop	V	$V_{IN}=24V, I_L=1000mA, V_D=6V$			0.1	V
	导通时间/Turn on time	t_{on}	$V_{IN}=24V, I_L=600mA, V_D=6V$		2.5	3.5	ms
	介质耐压/ I/O Dielectric strength	V_{Iso}	$I_{off} \leq 0.5mA$	3000			V_{rms}
	工作温度/Operating temperature	T		-40		85	°C
	储存温度/Store temperature			-40		125	

外形尺寸 Outline dimension :mm

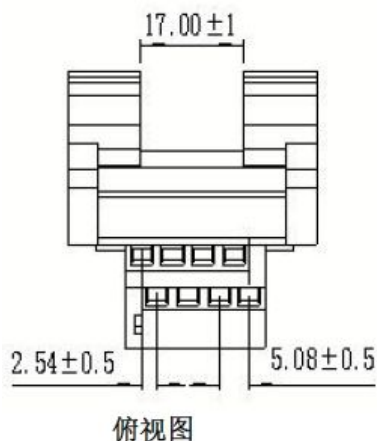
YOM4/24D2006



主视图



左视图



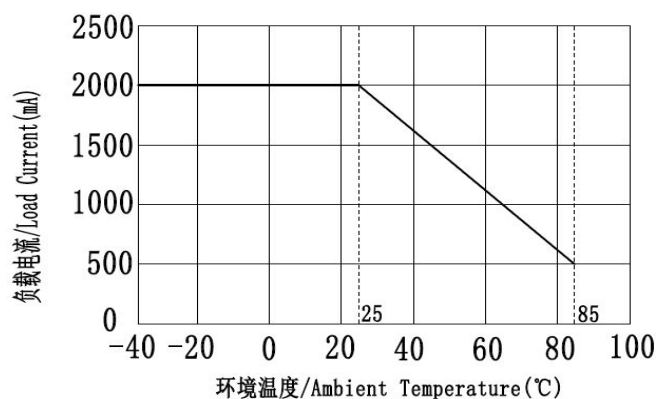
订货信息 Ordering Information

订货信息/Ordering Information						
	Y	OM	4	24D	200	6
公司商标代号 Company symbol						
MOS 输出型 SSR						
控制电路数 Number of control circuits: 4: 4 组						
输入电压 Input voltage: 24V						
负载电流 Load current: 200--2000mA						
击穿电压 BVDSS: 6-60V						

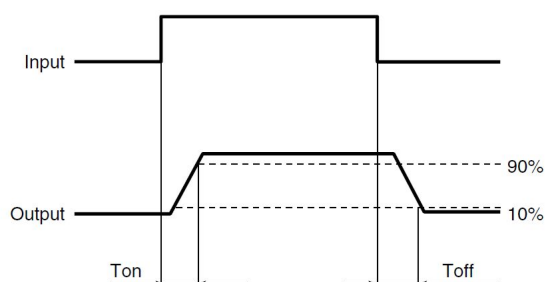
特性曲线 Characteristic Data

1. 负载电流与环境温度关系曲线

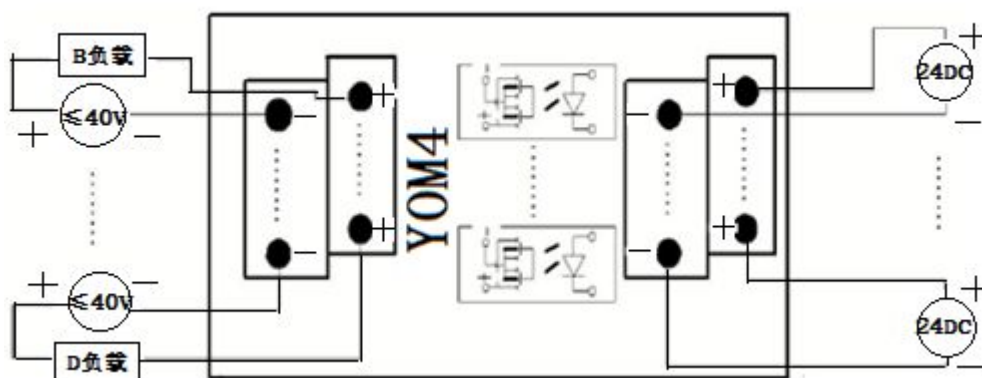
Load current VS. Ambient temperature



接通和关断时间关系 Turn on and Turn off time



接线图 Wiring diagram



注意事项 Notes

- 工作环境温度超过 25℃时请降额使用，降额曲线参考附件。
When ambient temperature is above 25℃, the load current must be reduced. (see Characteristic Data 1)
- 继电器接线时，务必保证输入端极性的正确，以免损坏继电器。
Ensuring the polarity is correct when connecting the input lines, otherwise the wrong connection will damage the relay.