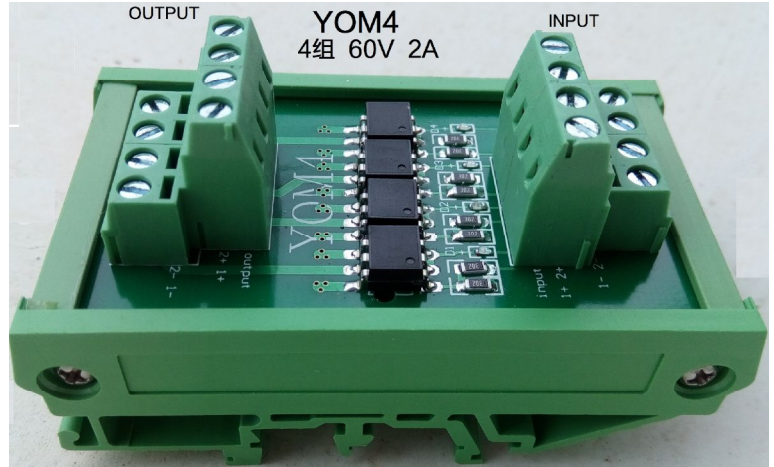


YOM 模组—— Opto-MOS module

概述/General Features

- 4合1、8合1光MOS继电器模块
4 in 1、8 in 1 opto-MOS module
- 负载电流最大为2A/Max load current 2A
- 负载耐压60V/load 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

订货信息/Ordering Information

Part Number	Package	Marking
YOM4/24D1006-JH	导轨快速安装	YOM4/24D1006-JH
YOM8/24D1006-JH	导轨快速安装	YOM8/24D1006-JH

极限值/Absolute Maximum (单个SSR)

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	反向电流/LED reverse current	I_R	$V_R=5V$			1	μA
	正向电流/ LED forward current	I_F				50	mA
输出端/Output	断态漏电流/Output off-state leakage current	I_R	$V_D=60V$			1	μA
	阻断电压/ Repetitive peak OFF-state voltage	V_{DRM}		60			V
	额定电流/ ON-state RMS current	I	$V_{IN}=24V$			2000	mA
	峰值电流/ Peak current	I	10ms		2800		mA

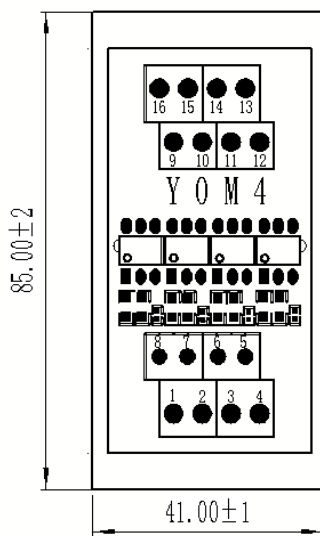
电参数/Electrical parameter (单个SSR)

(环境温度/Ambient temperature: 25℃)

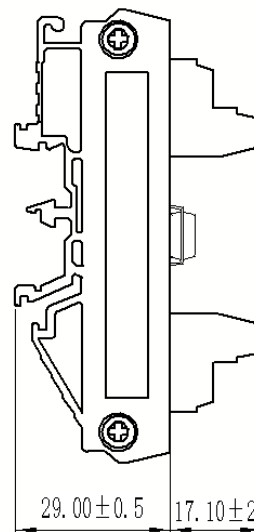
特性参数/Parameter		符号/Symbol	测试条件/Test condition	最小值/Min.	典型值/Typ.	最大值/Max.	单位/Unit
(单个 SSR) 输入端/Input	正向电压/LED forward voltage	V_F	$I_F=10mA$		1.2	1.3	V
(单个 SSR) 输出端/Output	额定电流/ ON-state RMS current	I	$V_{IN}=24V$			2000	mA
(单个 SSR) 耦合特性/Transfer characteristics	工作电压/Operating voltage	V_{IN}		19	24	28.8	V
	导通电压降/Output on-state voltage drop	V	$V_{IN}=24V, I_L=1000mA$ $V_D=6V$		0.08	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
	介质电压/ I/O Dielectric Strength	V_{ISO}	$I_{off} \leq 0.5mA$	3000			V_{rms}
	工作温度/Operating temperature	T		-30		85	℃
	储存温度/Store temperature			-40		125	

外形尺寸/Outline dimension :

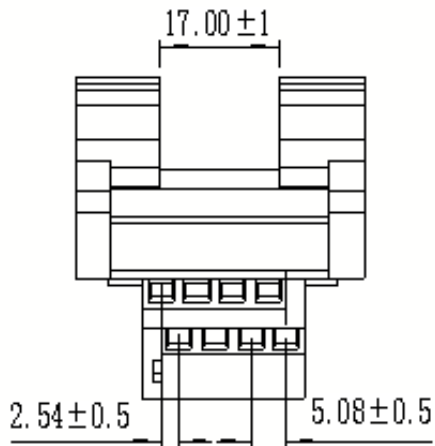
YOM4/24D1006-JH 外形尺寸图:



主视图

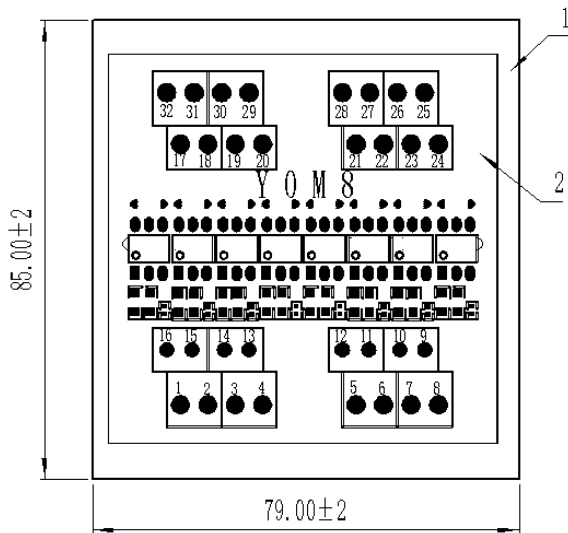


左视图

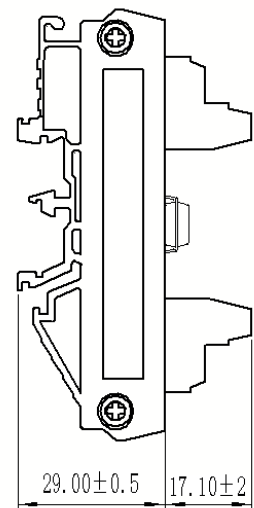


俯视图

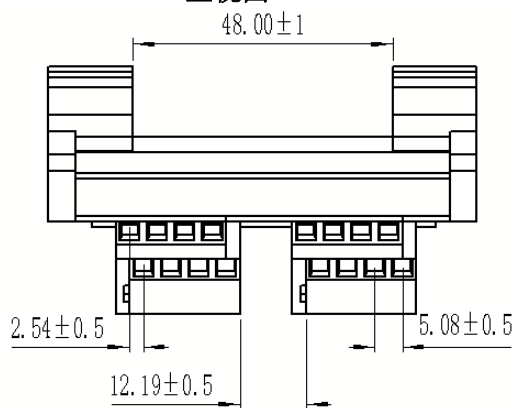
YOM8/24D1006-JH 外形尺寸图:



主视图



左视图



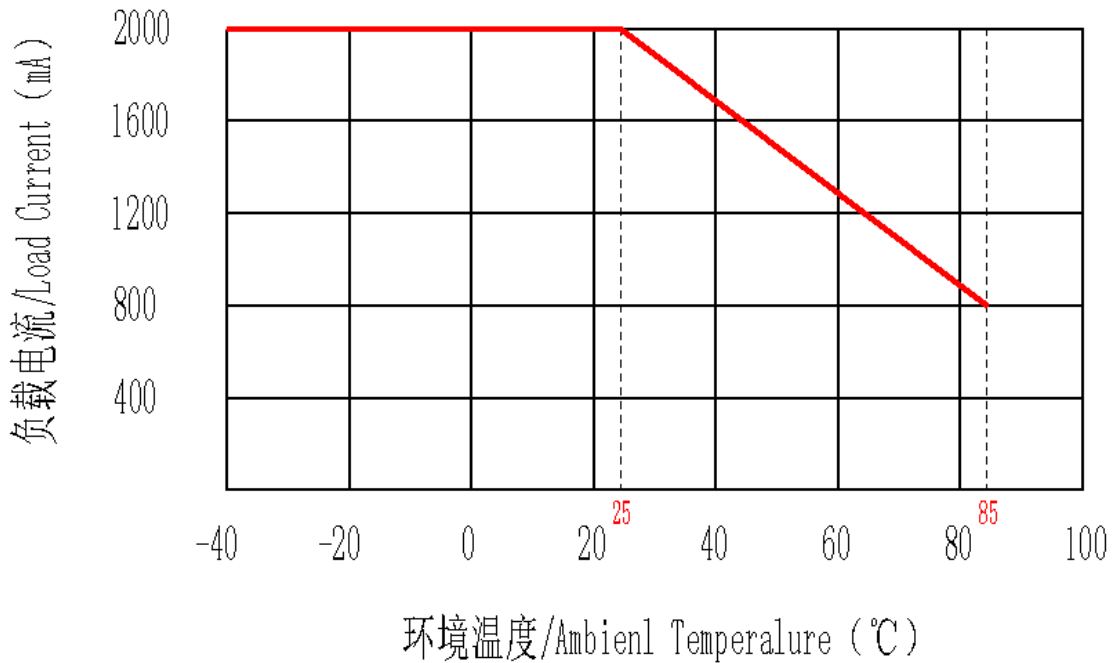
俯视图

订货信息/Ordering Information :

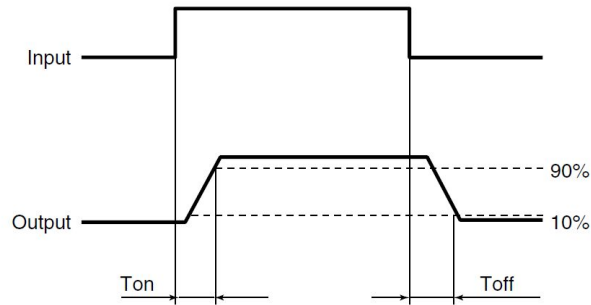
YOM 订货标记/YAS Ordering information								
	Y	OM	4/	24	D	100	6	-JH
公司商标代号 Company symbol								
MOS 输出型 SSR								
控制电路数: 4: 4组; 4: 8组								
输入电压: 24V								
直流型: D 交流型: A								
负载电流 load current: 10—200mA; 16—320mA; 30—600mA; 40—800mA; 100—2000mA								
击穿电压 BVDSS: 6—60V; 10—100V; 20—200V; 35—350V; 50—500V								
用户特殊编号 Special code: JH (精合专用)								

特性曲线/Characteristic Data:

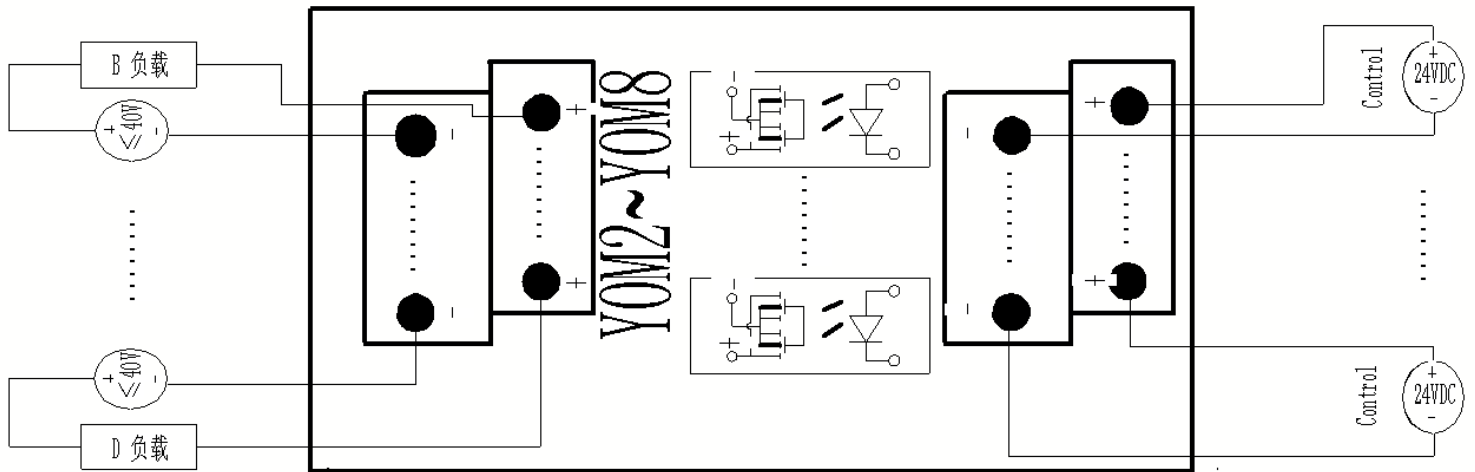
Load current vs. ambient temperature characteristics
Allowable ambient temperature: -40° C to +85° C



* 接通和关断时间关系, Turn on/Turn off time



接线图/Wiring diagram:



使用说明 /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 Annexes, fig.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.

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[YAS1/D1.2P22](#) [YOM1006D6](#) [YAS2/D2Z22](#)