

4位光耦模块

Q840-A

4 Bit optical coupling module Q840-A

● 特点 Features

- * 输入/输出光耦隔离；
- * 超高响应性；
- * 高温自保护；
- * 输入信号为NPN型；输出信号根据公共端为NPN或PNP
- * Input/output optical coupling isolation;
- * High responsiveness;
- * High temperature self protection;
- * The input signal is an NPN type; Output signal NPN or PNP based on public end

⚠ 注意事项 note

- 订购前确认负载类型和大小，选择使用合适方式进行控制。
- 触点保护方案请参考本产品。
- 和PLC连接时，请勿使用本公司开发的与之对应的专用电缆线。
- Before ordering, please confirm the load type and size, choose the suitable way to control.
- Contact protection scheme, please refer to this chapter products.
- When PLC connection, please be sure to use the company developed and the corresponding special cable.

● 部品详细参数 Parts detailed parameters

欧式接线端子	主体材料 Body Material	PA 66V-0防火等级	认证 Authenticate	
	端子材料 Terminal Material	磷铜	额定电流 Rated current	10A
	电镀层 Plating	镀锡	扭矩 Torque	0.4NM(3.5lb-in)
端子主体	主体材料 Body Material	PA 66V-0防火等级	认证 Authenticate	
	端盖材料 Cover Material	PC V-0防火等级	固定螺丝材料 Fixing screws Material	SUS304
	扣件 Fasteners	PC V-0防火等级	PCB板材料 PCB board material	FR-4

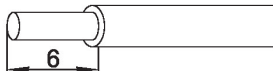
● 发货日期 Ship Date

17:00前订购的库存品可以当日发货 Delivery immediately with confirmed order before 17:00PM day off when there is stock in the warehouse	1~8个 1-8 pcs	9个以上 More than 9pcs
	次日(当日)发货 1-2 day	另定发货时间 Agreed by both parties

1. 最小起订量1个正常交期7~10天；
 2. 特殊产品交期20天以上；
 3. 非损耗品非人为损坏，一年包换，5年包修；
- 1: MOQ 1 PCS delivery date 7-10 days for regular models
2: more than 20 days for customized models
3: Guarantee: one year refundable and 5 year warranty under condition of non-human forces damage

● 适合电线 Suitable wier

1.5 mm²Following/ AWG16 ;
剥线长度：6mm



● 选型参考 Type Selection Reference

型号	Q840-A	Q840-A-1	Q840-A-2	Q840-A-3
输入	NPN	NPN	PNP	PNP
输出	NPN	PNP	NPN	PNP



注：需要弹片端子请在型号尾加上“T”
即：Q840-A-T
需要PNP输入请在型号尾加上“P”
即：Q840-A-P



规格参数 Specifications

输入侧 Input Side	额定电压(V) Nominal operating voltage	24V
	额定电流(mA) Nominal operating current	50mA
输出侧 Exit Side	额定最大电压 Maximum voltage rating	12V
	持续工作电流 Continuous working current	≤1A
	瞬间最大电流 Instantaneous maximum current	2A
	最大动作频率 The largest operating frequency	50K HZ
	最大压降(温度-40~100°C) The maximum pressure drop (temperature -40~100°C)	1.3~3.5V
	绝缘电阻 Insulation resistance	10 ¹⁰ Ω
	隔离电压 Isolation voltage	3750Vrms
	导通时间(10~90%) Conduction time (10~90%)	4μS
	关闭时间(10~90%) Turnoff time (10~90%)	3μS
	最大温升 Maximum temperature rise	100°C ^{※1}

注：※1 本体温度达100°C时，会自保护断开输出信号，温度下降后下次触发时可再次导通。
Note: ※1 When the body temperature of 100 °C, disarmed the output signal from protection, temperature drop after the next trigger when conducting again.

适用范围 Range of Application

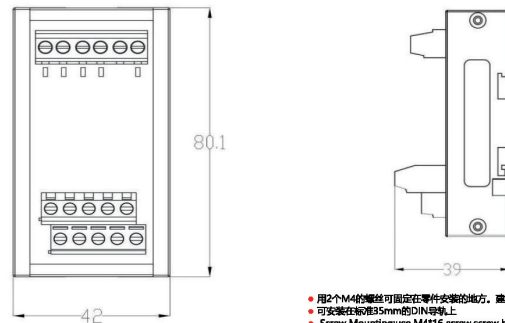
应用于工业自动化设备、计算机外围接口设备、恒温系统、调温、电机控制、数控机床、遥控系统、工业自动化装置。
Used in industrial automation equipment, computer peripheral interface equipment, constant temperature system, temperature control, motor control, numerical control machine, remote control system, industrial automation equipment.

外形图 Dimensions

正视图

侧视图

(单位:mm)



- 用2个M4的螺丝可固定在零件安装的地方，建议使用M4X16的螺丝，螺丝孔深3mm以上
- 可安装在标准35mm的DIN导轨上
- Screw Mounting: use M4*16 screw, screw hole depth: 3mm.
- DIN Rail Mounting: Standard 35mm DIN RAIL

配线图 Wiring Diagram

