

## 16位光耦模块

### Q843-A

16 Bit optical coupling module Q843-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；输出信号为PNP或为NPN。
- \* Input/output optical coupling isolation；
- \* High responsiveness；
- \* High temperature self protection；
- \* The input signal is an NPN type； Output signal For PNP or NPN.

#### ⚠ 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章产品。
- 和PLC连接时，请务必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

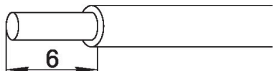
#### ● 发货日期 Ship Date

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 wiew

1.5 mm<sup>2</sup>Following/ AWG16 ;  
剥线长度 : 6mm



注：需要弹片端子请在型号尾加上-“T”  
即：Q843-A-T  
需要PNP输入请在型号尾加上-“P”  
即：Q843-A-P



#### 规格参数 Specifications

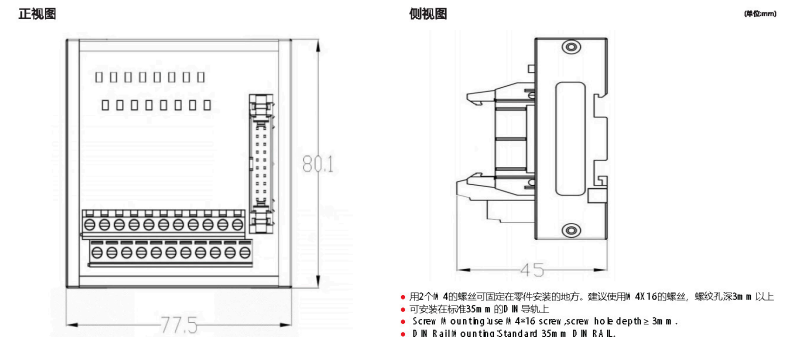
输入侧 Input Side	额定电压(V) Nominal operating voltage	12V~24V DC
	额定电流(mA) Nominal operating current	50m A
输出侧 Out Side	额定最大电压 Maximum voltage rating	15~30V DC
	持续工作电流 Continuous working current	≤2A
	瞬间最大电流 Instantaneous maximum current	5A
	最大动作频率 The largest operating frequency	50K HZ
	最大压降(温度-40~100℃) The maximum pressure drop (temperature -40~100℃)	1.3~3.5V
	绝缘电阻 Insulation resistance	10 <sup>10</sup> 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%) Turn-off time (10~90%)	3μs
	最大温升 Maximum temperature rise	100℃ <sup>M1</sup>

注：<sup>M1</sup> 本体温度达100℃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: <sup>M1</sup> When the body temperature of 100℃, disconnect the output signal from protection, temperature drop after the next trigger when conducting again.

#### 运用范围 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



#### 配线图 Wiring Diagram

