

差分转集电极模块 Q500

Differential Transfer Electrode Module Q500

● 特点 Features

1、PLC与伺服构成闭环系统,将伺服驱动器输出的ABZ相(可由参数设置伺服反馈脉冲当量)信号转为集电极输出信号输入到PLC 高速计数接口。

2、PLC与差分输出类型的编码器或光栅尺连接,将差分输出编码器信号转为集电极输出信号输入到PLC 高速计数接口。

3、电机同步控制。

1、PLC and servo constitute a closed-loop system, which converts the ABZ phase output from servo driver (servo feedback pulse equivalent can be set by parameters) signal to collector output signal and inputs it to the high-speed counting interface of PLC.

2、PLC is connected with differential output encoder or grating ruler. The differential output encoder signal is converted to collector output signal and input to high-speed counting interface of PLC.

3、Motor synchronous control

* 订购前请确认负载类型和大小, 选择使用合适方式进行控制。

* 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。

* Confirm load type and range. Choose right way to control

* Please use specific and matching cable that is developed by our company when connect with PLC

⚠ 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。
- 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.
- 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	UL CE
	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	CE
	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

● 输入侧额定值/性能 Rated current and voltage specification

额定电压 Nominal coil voltage	DC24V
适合电线 For wire	1.5 mm ² Following / AWG16



电气参数 Electrical parameters

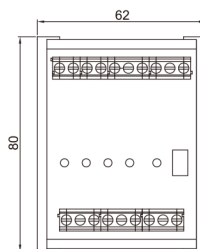
输入信号 Input signal	编码器信号 Encodersignal	路数 Routes	2CH:A/A,B/B;3CH:A/A,B/B,Z/Z
		最大频率 Maximum frequency	2 MHz
		电平 level	TTL差分 TTL difference
		电压 Voltage	5V
输出信号 Output signal	集电极开路 Opencollector circuit	路数 Routes	2CH:AB;3CH:ABZ
		频率 Frequency	与输入相同 Same as input
		电平 level	兼容NPN和PNP Compatible with NPN and PNP
		电流 Current	1A
供电电源 Power supply	24 Vdc		
外形尺寸 Overall size	61 x 87x41 mm(长x宽x高) (L*W*H)		
环境特性 Environmental characteristics	工作温度 Working temperature	(- 25℃ ~ + 85℃)	
	相对湿度 Relative humidity	≤ 90 % (40℃)	
	存储温度 Storage temperature	(- 40℃ ~ + 80℃)	
定制 Customized	根据客户需求定制类似产品 Customize similar products according to customer requirements		

接口说明 Interface description

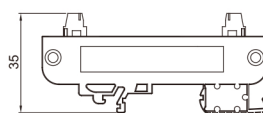
名称 Name	功能 Function
A+ A-	A相差分信号 A phase difference signal
B+ B-	B相差分信号 Phase B Differential Signal
Z+ Z-	Z相差分信号 Z-phase differential signal
A	A相对应集电极输出 A Relative Collector Output Sub-signal
B	B相对应集电极输出 B Relative collector output
C	Z相对应集电极输出 Z Corresponding Collector Output
-	DC24V电源负极 DC 24V power supply negative pole
+	DC24V 电源正极 DC24V power supply positive pole

外形图 Dimensions

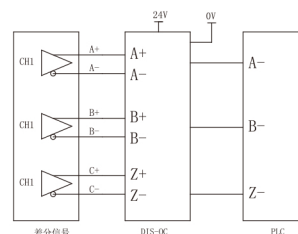
正视图



侧视图



配线图 Wiring Diagram



4位差分转集电极
Q500

- 可安装在标准35mm的DIN导轨上
- DIN Rail Mounting: Standard 35mm DIN RAIL