

6位功率继电器模组

Q441-1/Q441-2

6 power relay module Q441-1Q441-2

● 特点 Features

- * 输入/输出侧带浪涌吸收回路, 可有效延长继电器触点的使用寿命, 并可减缓负载侧的瞬间冲击电流;
- * NPN、PNP输入兼容, 指示灯颜色分别, 红色蓝色
- * 此系列端子台均增加继电器底座便于维护更新减少维护成本;
- * 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。
- * Input/output with Electrical surge absorbing circuit can extend relay contact endurance and slow down the impact current on load side
- * NPN, PNP input compatible, indicator color, red blue
- * Wrong wiring protection on the input side
- * convenient for maintenance and updating, decrease maintenance cost
- * Confirm load type and range. Choose right way to control

⚠ 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, 请勿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, RoHS
	端子材料 Terminal Material	铜镍	额定电流 Rated current	10A
	电镀层 Plating	镀镍	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

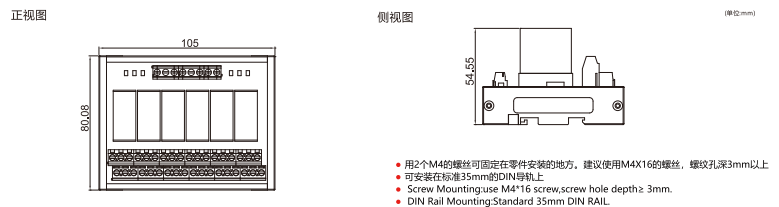
额定电压 Nominal coil voltage	DC24V
适合电线 For wire	1.5 mm ² Following / AWG16



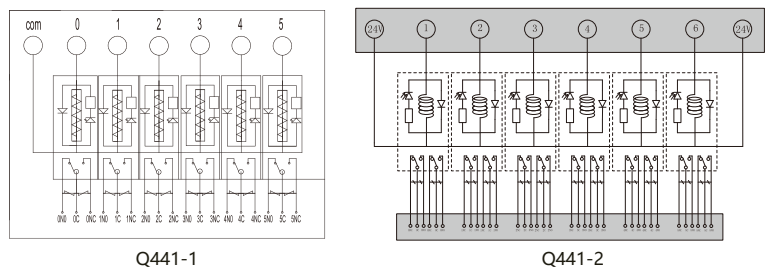
规格参数 Specifications

型号 Type	Q441-1		Q441-2	
触点构成 Conduct structure	1C		2C	
触点材料 Conduct material	银镍 AgNi			
保护等级 Protection level	IP40 (封闭型) IP40 (Closure)			
额定控制容量(电阻负载) Rated control capacity (resistor load)	10A250VAC/12A30VDC		5A250VAC/8A30VDC	
接触电阻(初始值)*1 Contact resistor (initial value)*1	50MΩ以下 Below 15MΩ			
启动时间*2 Starting time	15ms以下 Below 15ms			
释放时间*2 Releasing time	10ms以下 Below 10ms			
耐电压 withstand voltage	线圈与线圈间 between the coil and coil	5,000VAC, 1分钟 5000 VAC, 1/min	5,000VAC, 1分钟 5000VAC, 1min	
	同极触点间 Homopolar contact	1,000VAC, 1分钟 1000VAC, 1/min	1,000VAC, 1分钟 1000VAC, 1min	
	异极触点间 heteropolar contact	—	3,000VAC, 1分钟 3000VAC, 1min	
耐振动 Vibration resistance	耐久性 durability	频率10-55HZ 单振幅0.75mm Frequency 10-55 Hz Single Amplitude 0.75mm		
	误动性 false action	频率10-55HZ 单振幅0.75mm Frequency 10-55 Hz Single Amplitude 0.75mm		
抗冲击力 Impact resistance	耐久性 durability	1,000m/s ²		
	误动性 false action	NO触点: 200m/s ² NOconduct:200m/s ² NO触点: 200m/s ² NOconduct:200m/s ²		
电气性使用寿命(额定负载) Electrical service life(rated load)	AC负载: 200,000次以上(切换频率: 1,800次/小时) AC load: more than 200,000 (switch frequency: 1800 times/hour) DC负载: 100,000次以上(切换频率: 1,800次/小时) DC load: more than 100,000 (switch frequency: 1800 times/hour)			
机械性使用寿命(无负载) Mechanical service life (no load)	AC负载: 30,000,000次以上(切换频率: 1,800次/小时) AC load: more than 30,000,000 (switch frequency: 1800 times/hour) DC负载: 50,000,000次以上(切换频率: 1,800次/小时) DC load: more than 50,000,000 (switch frequency: 1800 times/hour)			
使用环境温度*3 environment temperature *3	-40~+70°C (无结冰) -40~+70°C (no frozen)			
使用环境温度*3 environment temperature *3	5-85% RH (无结露) 5-85% RH (Non Condensing)			
保存环境温度 environment temperature	-55~+85%			

外形图 Dimensions



配线图 Wiring Diagram



● 适合电线 Suitable wier

1.5 mm² Following / AWG16 ;
剥线长度 : 6mm

