

Industrial Relay Series 工业继电器系列--QY13F

FEATURES 特点

- 15A contact switching capability
15A触点切换能力
- 1 Pole to 4 Pole switching contact arrangement
一到四组转换触点形式
- 1,500kV dielectric strength (between coil and contacts)
线圈与触点间介质耐压1,500V
- Outline dimensions 外形尺寸:
1Z/2Z:(21.0X27.3X35.0) mm.
3Z:(31.0X27.3X35.0)mm.
4Z:(41.0X27.3X35.0)mm.



CONTACT PARAMETERS 触点参数

Contact Form 触点形式	QY13F-1P	QY13F-2P	QY13F-3P	QY13F-4P
Rating Load (Resistive) 额定负载 (阻性)	15A 250VAC/28VDC	10A 250VAC/28VDC		
Max. Switching Current 最大切换电流	15A	12A		
Max. Switching Voltage 最大切换电压	250VAC	250VAC		
Max. Switching Power 最大切换功率	3,750VA/420W	2,500VA/336W		

CHARACTERISTICS 性能参数

Contact Materials 触点材料	Ag Alloy 银合金		
Contact Resistance 接触电阻	100mΩ Max.		
Operate Time 吸合时间	25msec. Max.		
Release Time 释放时间	25msec. Max.		
Insulation Resistance 绝缘电阻	100MΩ Min. (DC500V)		
Initial Dielectric Strength 介质耐压	Between open contacts: 触点与触点间:	AC1,000V, 50/60Hz 1Min.	
	Between contacts and coil: 触点与线圈间:	AC1,500V, 50/60Hz 1Min.	
Vibration Resistance 抗振动	Damage limits: 耐久:	10~55Hz Double Amplitude 双振幅1.5mm	
	Malfunction: 误动作:	10~55Hz Double Amplitude 双振幅1.5mm	
Shock Resistance 抗冲击	Damage limits: 耐久:	100G Min.	
	Malfunction: 误动作:	10G Min.	
Life 寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1 × 10 ⁷	
	Electrical Life 1800 per hour) 电气寿命 (每小时1800次)	1 × 10 ⁵	
Ambient Temperature 环境温度	-40°C ~ +105°C (No condensation) (不冷凝)		
Unit Weight 单位重量	1Z/2Z: 约Approx36.7g 3Z: 约Approx45.2g 4Z: 约Approx65g		

COIL RATINGS (at20°C) 线圈参数 (在20°C)

Coil Nominal Voltage 额定电压 (VAC)	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
6	200	30	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About1.2VA
12	100	120				
24	50	480				
48	25	1,920				
110	10.9	10,091.7				
220	5.4	40,740				
380	3.1	122,580				

Coil Nominal Voltage 额定电压 (VDC)	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
6	250	24	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About1.5W
12	125	96				
24	62.5	384				
48	31.2	1,538				
110	13.6	8,088.2				
220	6.8	32,352.9				

Coil Nominal Voltage 额定电压 (VAC)	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
6	416	14.4	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About2.5VA
12	208	57.7				
24	104	230.7				
48	52	923				
110	22.7	4,849				
220	11.3	19,469				
380	6.5	58,462				

Coil Nominal Voltage 额定电压 (VAC)	Nominal Current 额定电流 ±10%(mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
6	500	12	Coil Nominal Voltage 110% 额定电压的 110%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About3.0VA
12	250	48				
24	125	192				
48	62.5	768				
110	27.2	4,044				
220	13.6	16,176				
380	7.8	48,718				

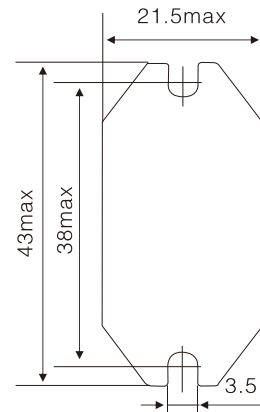
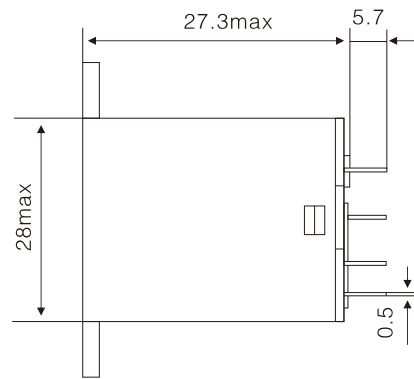
SAFETY STANDARD安规认证

Approval认证类别	CQC	TUV	UL/C_UL
Authentication Load 认证负载	1Z:15A 250VAC 2Z/3Z4Z:10A 250VAC	1Z:15A 250VAC 2Z/3Z4Z:10A 250VAC	1Z:15A 250VAC 2Z/3Z4Z:10A 250VAC

ORDERING INFORMATION订货标记

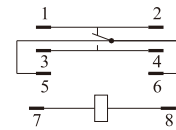
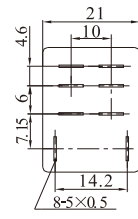
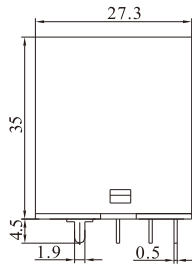
QY13F-012DC-H-P-D-(XXX)						
		1	2	3	4 5	6
1. Model Number基本型号: QY13F						4. Terminal Form: P-PCB, T-Socket, F-Flange 端子形式: P-PCB, T-插座式, F-法兰式
2. Coil Voltage线圈规格: VDC-06, 12,24,48,110,220 VAC-06, 12,24,48,110,220,380						5. Form of accessory: Nil - No Accessory, D- Diode 配件形式: 无-不带配件, D-带二极管
3. Contact Form: H-1 Form A, Z-1 Form C 2H-2 Form A, 2Z-2 Form C 3H-3 Form A, 3Z-3 Form C 4H-4 Form A, 4Z-4 Form C 触点形式: H-1组常开, Z-1组转换 2H-2组常开, 2Z-2组转换 3H-3组常开, 3Z-3组转换 4H-4组常开, 4Z-4组转换						6. Features: XXX-Client Specific Requirements, Nil-Standard Type 特性号: XXX-客户特殊要求, 无标准型

OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)



QY13F(1Z,2Z)Flange screw mounting dimensions
QY13F (1Z, 2Z) 法兰式螺丝安装尺寸

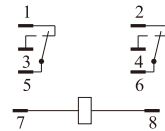
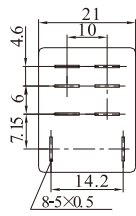
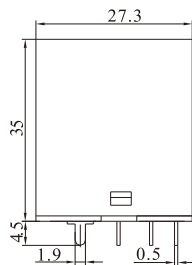
QY13F-1P



插座式引出端

线路板焊接式引出端

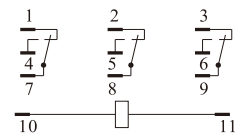
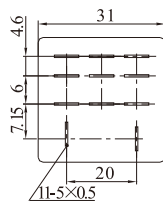
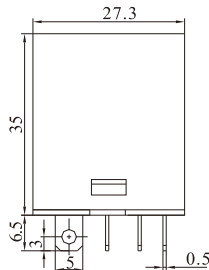
QY13F-2P



插座式引出端

线路板焊接式引出端

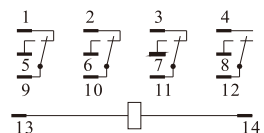
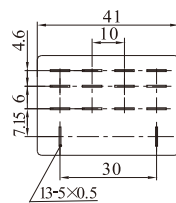
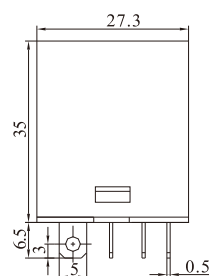
QY13F-3P



插座式引出端

线路板焊接式引出端

QY13F-4P



插座式引出端

线路板焊接式引出端

TYPICAL USE 典型用途

- Vending machines, Cooking appliances, Office equipment
- Household appliances, Control equipment, Etc..
- 自动售货机, 烹调电器, 办公设备
- 家用电器, 控制设备等

PERFORMANCE CHART 性能曲线图

