

Power Relay Series 功率继电器系列--QY14F

FEATURES特点

- 10A contact switching capability  
10A触点切换能力
- One set of regular, conversion, two groups of regular, conversion  
1组常开、转换, 2组常开、转换
- Small shape, PCB installation  
外形体积小, PCB式安装
- Outline dimensions (29.2X12.8X20.6) mm.  
外形尺寸 (29.2X12.8X20.6) mm



CONTACT PARAMETERS触点参数

Contact Form触点形式	QY14F-1P(10A)	QY14F-2P(5A)
Rating Load (Resistive)额定负载 (阻性)	10A 250VAC/28VDC	5A 250VAC/28VDC
Max. Switching Current最大切换电流	10A	5A
Max. Switching Voltage最大切换电压	250VAC	250VAC
Max. Switching Power最大切换功率	2,500VA/280W	1,250VA/140W

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	10msec.Max.	
Release Time释放时间	8msec.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:	AC1000V,50/60Hz 1Min.
	Between contacts and coil: 触点与线圈间:	AC5800V,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 <sup>7</sup>
	Electrical Life (1800 per hour) 电气寿命 (每小时1800次)	1×10 <sup>5</sup>
Ambient Temperature环境温度	-40℃~+105℃ (No condensation) (不冷凝)	
Unit Weight单位重量	约Approx.13.5g	

## COIL RATINGS (at20°C) 线圈参数 (在20°C)

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
3	240.00	12.5	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 80% 额定电压的 80%	Coil Nominal Voltage 5% 额定电压的 5%	About 0.72 W
5	144.00	34.7				
6	120.00	50.0				
9	80.00	112.5				
12	60.00	200				
24	30.00	800				
48	15.00	3200				

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
3	180.00	17	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 80% 额定电压的 80%	Coil Nominal Voltage 5% 额定电压的 5%	About 0.54 W
5	108.00	46				
6	90.00	67				
9	60.00	150				
12	45.00	270				
24	22.50	1,067				
48	11.25	4,267				

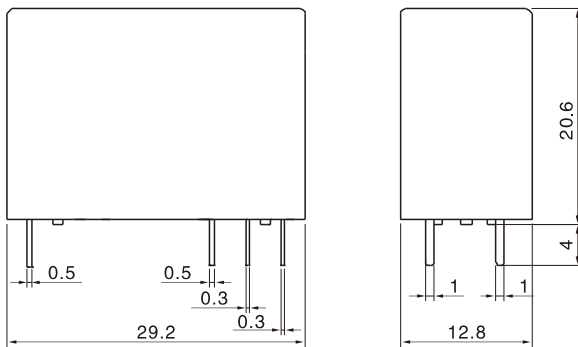
## ORDERING INFORMATION 订货标记

QY14F-012-H-S-P-(XXX) 1 2 3 4 5 6	
1. Model Number 基本型号: QY14F 2. Coil Voltage 线圈规格 (VDC): 03,05,06,09,12,24,48 3. Contact Form: H-1 Form A, Z-1 Form C, 2H-2 Form A, 2Z-2 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	4. Enclosure: S-General Type, K-Sealed Type 封装形式: S-标准型, K-密封型 5. Coil Power: Nil - 0.54 W, P-0.72W 线圈功率: 无-0.54W, P-0.72W 6. Features: XXX- Special Requirements, Nil-Standard Type 特性号: XXX-特殊要求, 无-标准型

SAFETY STANDARD安规认证

Approval认证类别	CQC	TUV	UL/C_UL
Authentication Load 认证负载	1P:10A 250VAC 10A 277VAC	1P:10A 250VAC 10A 28VDC	1P:10A 250VAC/125VAC 10A 28VDC
	2P:5A 250VAC 5A 277VAC	2P:5A 250VAC 5A 28VDC	2P:5A 250VAC 5A 28VDC

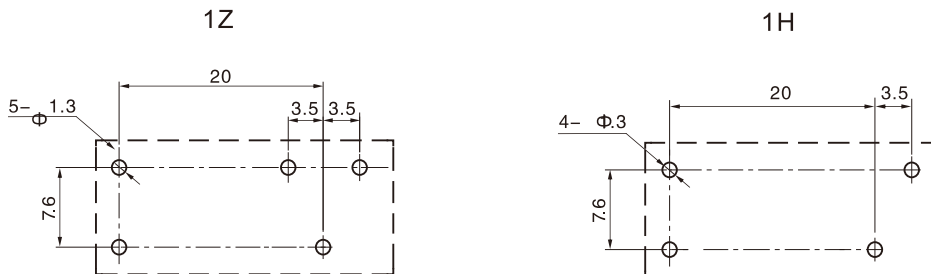
OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)



Undimensioned tolerance: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm  
 未标注尺寸公差: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm  
 Note: 1.The size of the lead foot is pre welding dimension. 注: 1、引出脚尺寸为预焊前尺寸  
 2.installation hole size tolerance: +0.1mm 2、安装孔尺寸公差: ±0.1mm



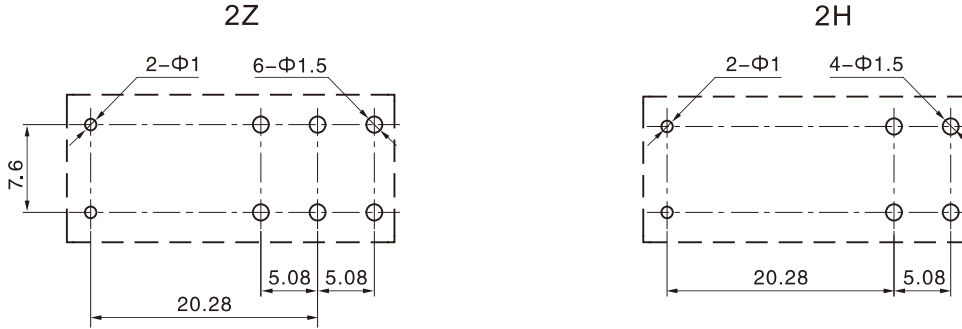
1P-Wiring diagram (bottom view)  
1P-接线图 (底视图)



1P-Mounting hole size (bottom view)  
1P-安装孔尺寸 (底视图)



2P Wiring diagram (bottom view)  
2P接线图 (底视图)



2P Mounting hole size (bottom view)  
2P安装孔尺寸 (底视图)

TYPICAL USE 典型用途

- Home Appliances, Air-Conditioning, Microwave, Sound, Display, Industrial Control, Instrument, Etc..
- 家用电器, 空调, 微波炉, 音响, 显示器, 工业控制, 仪器仪表等

PERFORMANCE CHART 性能曲线图

