

Power Relay Series 功率继电器系列--QY14F-T

FEATURES特点

- 16A contact switching capability
16A触点切换能力
- 5kV dielectric strength (between coil and contacts)
线圈与触点间介质耐压5kV
- 1 Form A and 1 Form C configurations
具有一组常开、转换触点形式
- Outline dimensions (29.2X12.8X20.6) mm.
外形尺寸 (29.2X12.8X20.6) mm。



CONTACT PARAMETERS触点参数

Model Series 型号系列	QY14F-T
Rating Load (Resistive) 额定负载 (阻性)	16A 250VAC/28VDC
Max. Switching Current 最大切换电流	20A
Max. Switching Voltage 最大切换电压	250VAC
Max. Switching Power 最大切换功率	4,000VA/448W

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 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	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				

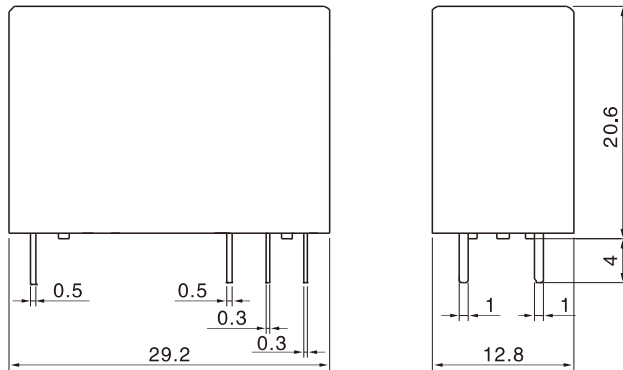
ORDERING INFORMATION 订货标记

QY14F-T-012-H-S-P-(XXX)					
		1	2	3	4 5 6
1. Model Number 基本型号: QY14F-T			4. Enclosure: S-General Type, K-Sealed Type 封装形式: S-标准型, K-密封型		
2. Coil Voltage 线圈规格 (VDC): 03, 05, 06, 09, 12, 24, 48			5. Coil Power: Nil - 0.54 W, P-0.72W 线圈功率: 无-0.54W, P-0.72W		
3. Contact Form: H-1 Form A, Z-1 Form C 触点形式: H-1组常开, Z-1组转换			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

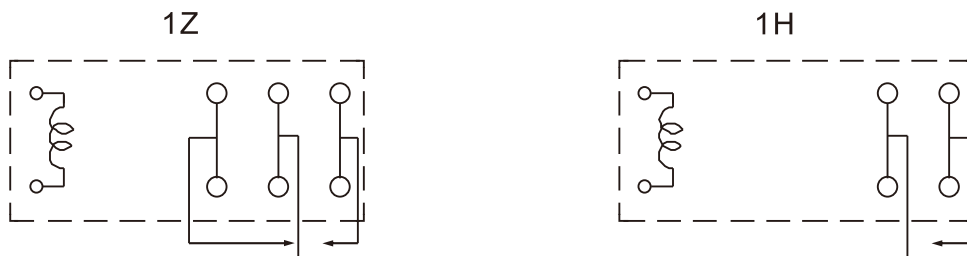
Approval认证类别	CQC	TUV	UL/C_UL
Authentication Load 认证负载	1P:16A 250VAC 16A 277VAC	1P:16A 250VAC 16A 28VDC	1P:16A 250VAC/125VAC 16A 28VDC

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

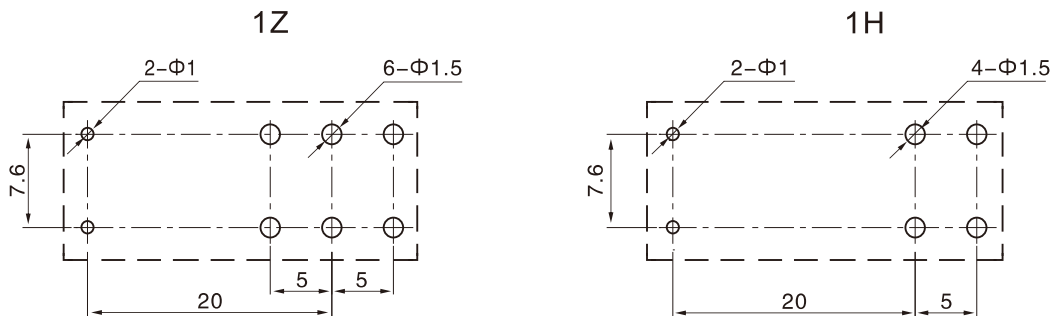


Undimensioned tolerance: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm
未标注尺寸公差: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm

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



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



Mounting hole size (bottom view)
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

