

通用继电器	HJQ-13F-1C
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- 16A transfer contacts
- Different dust-proof cover,different layout
- Conform to RoHS,ELV directive



E173485

R50116173

ORDERING CODE 订购代码

HJQ-13F — 1Z — F (P) /12VDC				
1	2	3	4	5
1. Relay Model 继电器型号	2. 触点转换形式		4. P: PCB Type	
3. F: With Flange for 38mm pitch hole Nil:Standard	1Z: Form 1C		Nil: B Type	
5. Coil Nominal Voltage 线圈额定电压			5,6,12,24,48,110,120VDC	
			6,12,24,48,110,220/240VAC	

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage额定电压(VDC)	5	6	12	24	48	110/120	220/240	0.9W
Coil Resistance线圈阻值(Ω)	28	40	160	640	2560	11000		
Rated Current额定电流(mA)	178.5	150	75	37.5	18.75	10		
Max Operate Voltage 最大吸合电压(VDC)	3.75	4.5	9	18	36	82.5		
Min Release Voltage最小释放电压(VDC)	0.5	0.6	1.2	2.4	4.8	11		
Nominal Voltage额定电压(VAC)		6	12	24	48	110/120	220/240	1.2VA
Coil Resistance线圈阻值(Ω)		11.5	46	180	735	4550	14400	
Max Operate Voltage 最大吸合电压(VAC)		4.8	9.6	19.2	38.4	96	176	
Min Release Voltage最小释放电压(VAC)		1.2	2.4	4.8	9.6	22	44	
Max Applicable Voltage 最大过载电压	70°C时额定电压的130%，23°C时额定电压的170%							

注: 5-24VDC/6-48VAC 线圈阻值公差为±10%，48-110VDC/110-240VAC 线圈阻值公差为±15%。

CONTACT DATA 触点参数

Contact Form触点形式	1Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ=1)
Contact Ratings触点负载	16A 250VAC/30VDC
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage最大转换电压	250VAC/30VDC
Max Switching Current最大转换电流	20A
Max Switching Power 最大转换功率	4000VA/480W
Contact Resistance接触电阻	100m Ω Max at 6VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 100, 000 Operations(at30Operations/minute)
	Mechanical机械寿命: 10, 000, 000 Operations(at300Operations/minute)

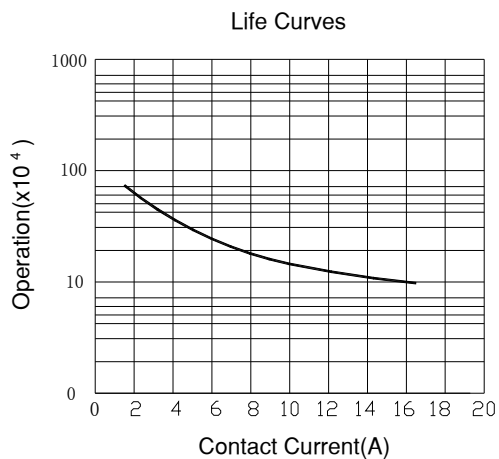
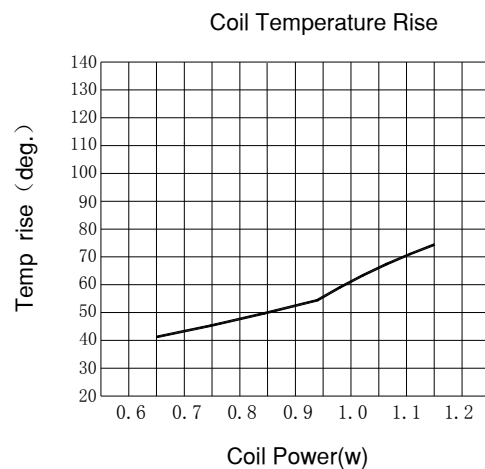
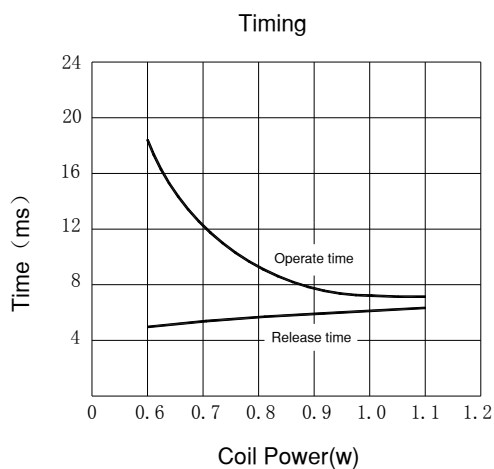
■ CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘阻值	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	1000VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	1500VAC(for one minute)
Operate Time 吸合时间	25ms
Release Time 释放时间	25ms
Temperature Range 环境温度	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Shock Resistance 冲击	Operating Extremes 动作极限: 20G
	Damage Limits 破坏极限: 100G
Vibration Resistance 振动	10-55Hz, 1.5mm
Max. switching frequency 最大转换频率	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity 湿度	40-85%
Weight 重量	Approx 35g
Safety Standard 安全标准	UL cUL TÜV

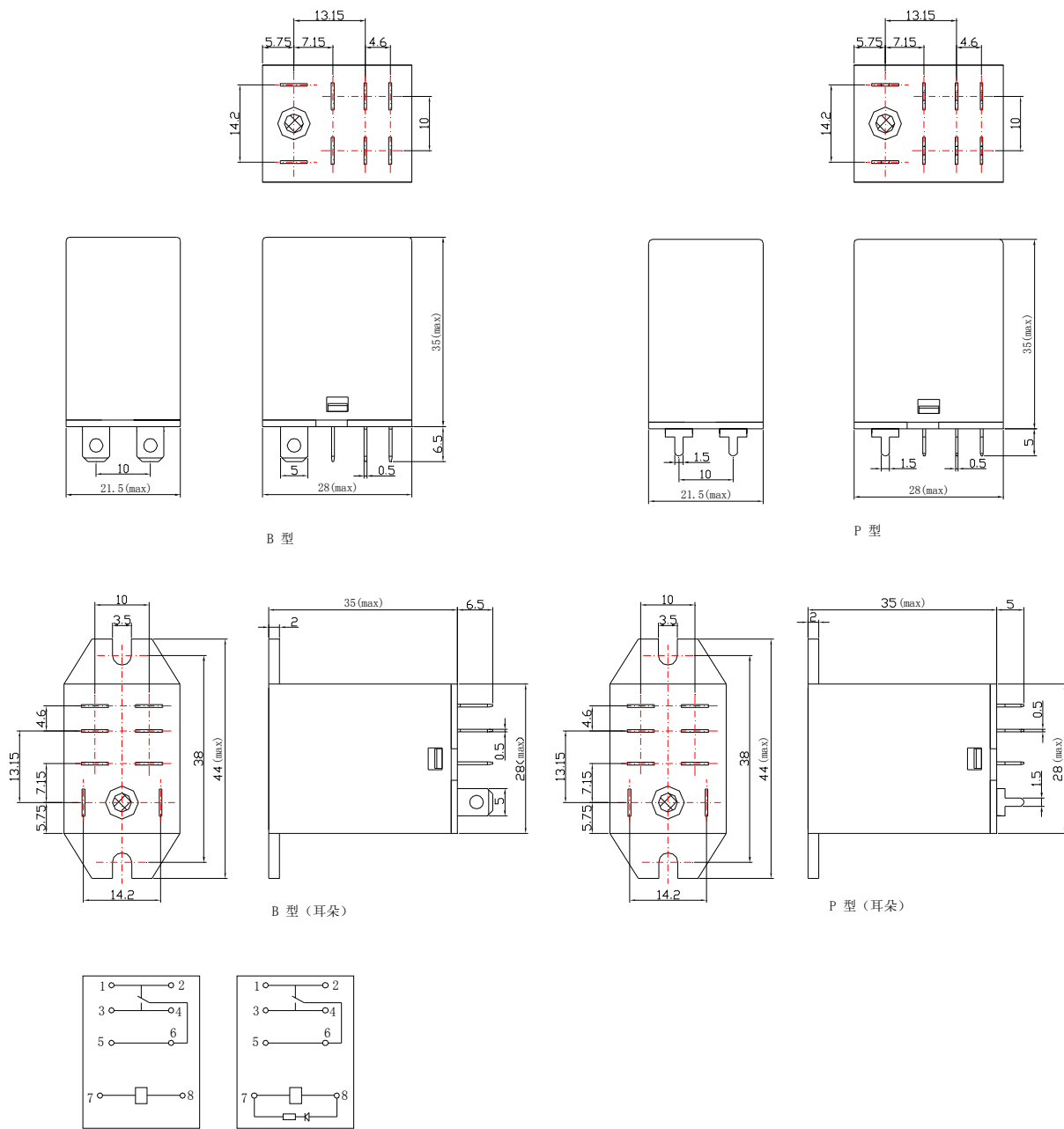
■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
HJQ-13F-1C	5 to 110VDC	TÜV	16A 240VAC
	6 to 240VAC		16A 30VDC
	5 to 110VDC	UL/cUL	16A 250VAC
	6 to 240VAC		16A 30VDC

■ ENGINEERING DATA 设计参数



OVERALL AND MOUNTING DIMENSIONS 安装图



接线图

备注：1) 产品部分外形尺寸中未注尺寸公差：当外形尺寸 $\leq 1\text{mm}$ 时，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。

2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。