



<h1>通用继电器</h1>	<h1>HJQ-15F</h1>
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- High power&low cost
- 30A switching capability
- Less than 1W coil power
- Open sealed type available
- Class B/F available
- Conform to RoHS,ELV directive



09002030497
 us E173485
 R50116174

ORDERING CODE 订购代码

<u>HJQ-15F</u>	—	<u>S</u>	—	<u>Z</u>	(TBF-1)	<u>N</u>	/	<u>12VDC</u>	<u>xx</u>
1		2		3	4	5		6	7

1. Relay Model 继电器型号	4. Insulated Level 绝缘等级	7. 特殊代码
2. S: Sealed 密封	TBF-1: Class F级	Nil: Standard Type标准
SV: Vent hoie	Nil: 标准	IT: GWIT灼热丝750°C(at ≤2 s)
K: Open Type 敞开型	5. N: 无3号引脚,触点与线圈间耐压1500VAC	
3. 触点转换形式	Nil: 有3号引脚,触点与线圈间耐压1500VAC	
H: Form A	WT: 有3号引脚,触点与线圈间耐压2500VAC	
Z: Form C	NT: 无3号引脚,触点与线圈间耐压2500VAC	
D: Form B	6. Coil Nominal Voltage 线圈额定电压	
	5,6,9,12,18,24,48,110VDC	

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage额定电压(VDC)	5	6	9	12	18	24	48	110	0.93W
Coil Resistance线圈阻值(Ω ±10%)	27	39	87	155	350	620	2480	13010	
Rated Current额定电流(mA)	186	155	103	77.5	52	39	19	9	
Max Operate Voltage 最大吸合电压(VDC)	3.75	4.5	6.75	9	13.5	18	36	82.5	
Min Release Voltage最小释放电压(VDC)	0.5	0.6	0.9	1.2	1.8	2.4	4.8	11	
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%								

CONTACT DATA 触点参数

Contact Form触点形式	1H/1D/1Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ=1)
Contact Ratings触点负载	1H: 25A(30A) 240VAC/20A 28VDC 1D: 15A 240VAC/10A 28VDC 1Z: 20A/10A 240VAC/28VDC
Minimum load 最小负载	500mA 5VDC
Max Switching Voltage最大转换电压	250VAC/30VDC
Max Switching Current最大转换电流	30A
Max Switching Power 最大转换功率	7200VA/560W
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)

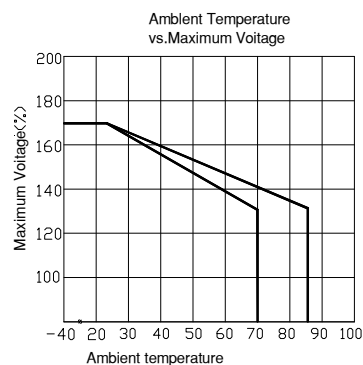
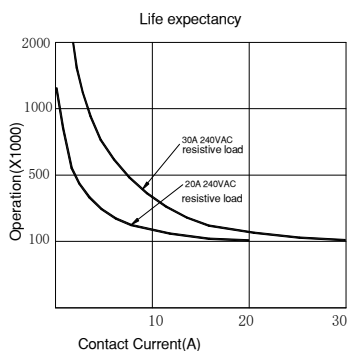
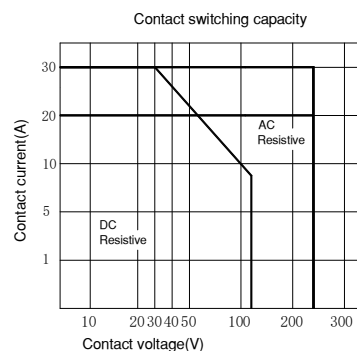
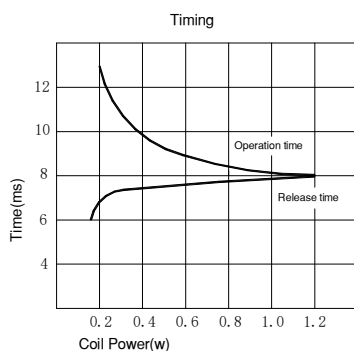
■ CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	1500VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	1500VAC/2500VAC(for one minute)
Operate Time吸合时间	15ms
Release Time释放时间	10ms
Temperature Range环境温度	-40°C to +70°C (Class F: 85°C)
Shock Resistance冲击	Operating Extremes动作极限: 10G
	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 36g
Safety Standard安全标准	UL cUL CQC TÜV

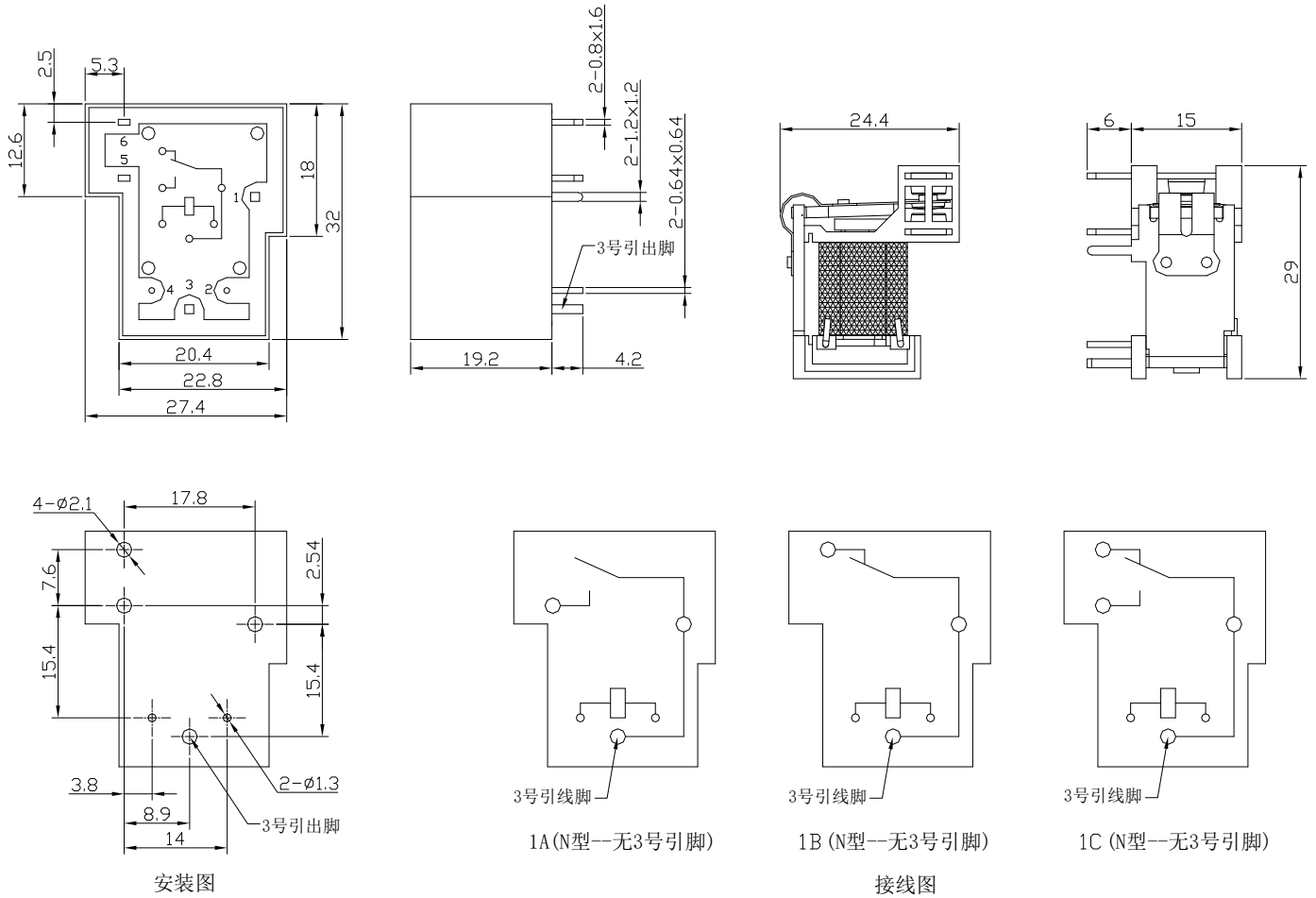
■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
HJQ-15F	3 to 110VDC	TÜV	H: 30A 240VAC 25A 28VDC
			D: 15A 240VAC 10A 28VDC
			Z(NO): 20A 240VAC /28VDC Z(NC): 10A 240VAC/ 28VDC
	5 to 48VDC	UL/cUL	NO: 25A 240VAC/28VDC NC: 15A 240VAC/ 28VDC
			NO: 30A 240VAC NC: 20A 240VAC
			NO: TV-5(5A 120VAC) NO: 1HP 125VAC 2HP 277VAC NC: 1/4HP 125VAC 1/2HP 277VAC
		CQC	NC: 20A 240VAC NO: 30A 240VAC

■ ENGINEERING DATA 设计参数



■ OVERALL AND MOUNTING DIMENSIONS 安装图



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 $\pm 0.1\text{mm}$ 。