

通用继电器

HJQ-13F-2C

- 10A transfer contacts
- Different dust-proof cover,different layout
- Conform to RoHS,ELV directive





■ ORDERING CODE 订购代码

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

■ COIL DATA 线圈参数 (at 20℃)

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 Voitage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 ApplicableVoltage 最大过载电压	70℃时额定电压的130%，23℃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%。

交流线圈额定电压频率：50Hz~60Hz。

■ CONTACT DATA 触点参数

Contact Form触点形式	2Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ=1)
Contact Ratings触点负载	10A 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	15A
Max Switching Power 最大转换功率	2500VA/300W
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)

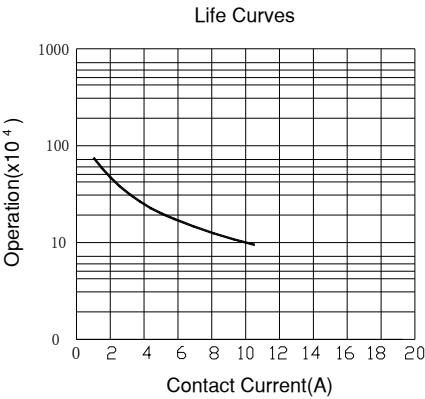
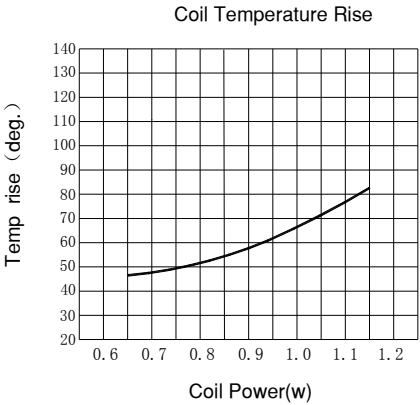
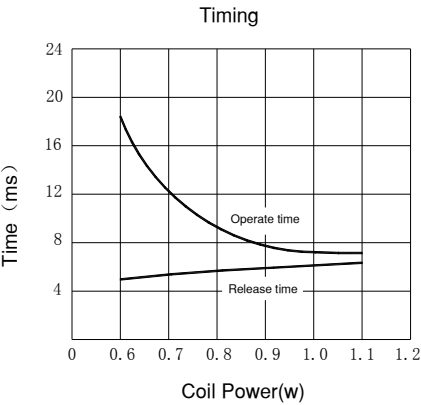
■ CHARACTERISTICS DATA 性能参数

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℃to+70℃
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

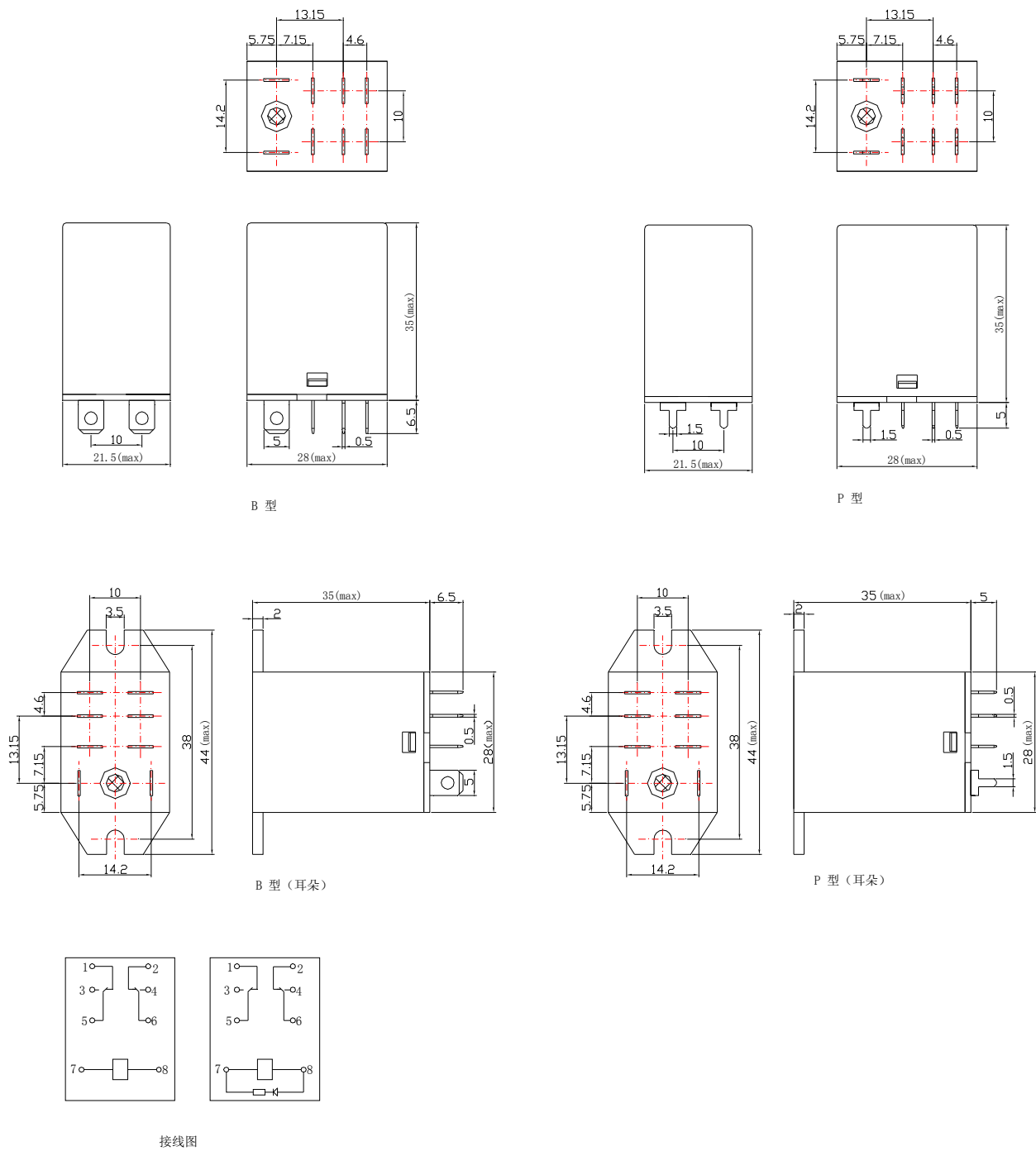
■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
HJQ-13F-2C	5 to 110VDC	TÜV	10A 240VAC
	6 to 240VAC		10A 30VDC
	5 to 110VDC	UL/cUL	10A 250VAC
	6 to 240VAC		10A 30VDC 15A 125VAC

■ 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 $\pm 0.1\text{mm}$ 。

声明：
本产品规格书仅供客户使用时参考，如有更改，恕不另行通知。

Таблица возможной замены реле

силовые реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HF3FF	HJR-3FF	SRD(T73)	HLS8-T73	G5L
HF10FF-2			HLS-MK2P	MK2
HF10FF-3Z			HLS-MK3P	MK3
HF13F			HLS-13F	
HF18FF	HJQ-22		HLS-4453(18F)-4	MY4
HF21FF	HJR-21FF	SRU(22F)	HLS8-22F	G5L-E
HF32F	TRG1	SRSB	HLS-32F	835/835NL
HF32FA/32FA-T	TRG1	SRSB	HLS-32F	835/835NL
HF32FA-G	TRG1	SRSB	HLS-32F	835/835NL
HF33F	TRG2	SRSC	HLS-33F	G5SB
HF62F	TRA2F	SMIH(14FHA)	HLS-14FK	G5J
HF46F/HF46F-G	TRGB			202/202H
HF49FD				G5J
HF102F	TRAF		HLS-102F	G4A
HF115F	TRC2	SMIH(14FH)	HLS-14F2	G2RL
HF115FP	TRC3	SMIH(14FH)	HLS-14F3	
HF140FF	TRA3		HLS-14F	G2R/G2RG
HF13F	HJQ-13F-2C	SMB(13F)	HLS-13F-2	LY2
HF2100	HJQ-15F-1	SLC(T91)	HLS-T91(16F)-1	G7G
HF105F - 4	HJQ-15F-3	SLCH(T92)		
HF105F-1	HJQ-15F	SLA(T90)	HLS-T90(15F)	G8P
HF2160	HJQ-15F-2	SLI(T93)	HLS-T91(16F)-2	G7G/G8G
HF165FD	HJQ-15F	SLA	HLS-T90(15F)	G8P
JQC-21FF	HJR-21FF	SRD(T73)	HLS8-22F	
HF7FF	HJR-7FF	SRG(4123)	HLS8-T73	
HF141FF	TRA1		HLS-14F1	G2R
HF14FW	TRA2	SMIH(14FH)	HLS-14F2	G2R
HF14FF	TRA1		HLS-14F	G2R
HF36F	TRA4			
HF42F	TRA5			G5PA-2
HF8	TRDH	SRI(T72)	HLS-T72	
HF102F			HLS-102F	G4A
HLS-4453(18F)-2		SMBH(4453)	HLS-4453(18F)-2	MY2
HF18FF-3Z			HLS-4453(18F)-3	MY3

сигнальные реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HFD2	HJR1	SRC	HLS-4078	G5V-2
HFD4				
HFD27	HJR1-2	SRC	HLS-4078	G5V-2
HFD41	HJR4102	SRS		
HF41F			HLS6-4100H-1	G2E
HM4101F	HJR4102E			
HFD23			HLS6-23F	G5V-1

автомобильные реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HFKM, HFKS	TRAW	SLE(4117)	HLS-4117	
HVF6	TRFM			G8HN
HFKP	TRKP	SLB	HLS-4120	G8PE
	TRS			
	TRV3			
HFV4	TRV4	SLD	HLS-CMA3	G8JN
	TRV5			
HFV7	TRV6	SLDH	HLS-CMA3-1	G8JR
HFKW	HJR78F	SRA(T74)	HLS-T78	G8QN
			HLS-4121/4122	
HFV6		SLM	HLS-CMA6	G8H