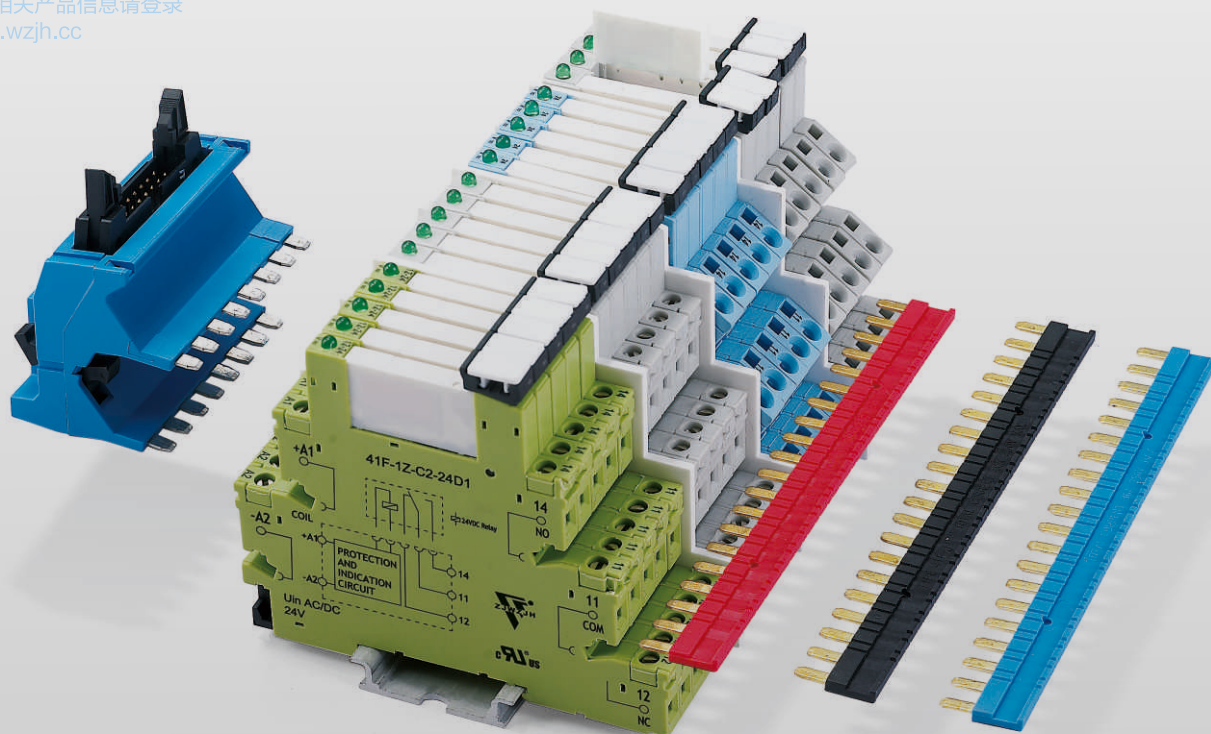


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RELAY & RELAY SOCKET Automation Components

继电器系列/继电器插座系列

温州金宏电器有限公司

Wenzhou
Jinhong Electrical Appliance
Co., Ltd

/



Products Contents

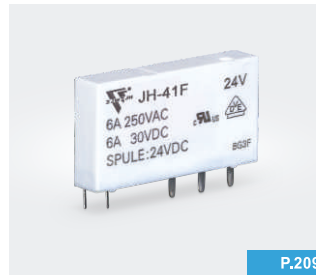
产品目录

Security,
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comprehensive.



ZJ18F/N微型功率继电器
Subminiature power relay

P.205



JH41F
Subminiature power relay

P.209



ZJ18F小型中功率继电器
Miniature Intermediate Power Relay

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ZJ18FT小型中功率继电器
Miniature Intermediate Power Relay

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ZJ14F小型大功率继电器
Miniature PCB Power Relay

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ZJ14FW小型大功率继电器
Miniature PCB Power Relay

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ZJ10F小型大功率继电器
Miniature High Power Relay

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ZJ13F大功率继电器
Miniature High Power Relay

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ZJ3F超小型大功率继电器
Subminiature high-power relay

P.251



ZJT90小型大功率继电器
Miniature High Power Relay

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ZJT93小型大功率继电器
Miniature High Power Relay

P.258

NEW

ZJ18F/N 微型功率继电器 Subminiature power relay



■ 特性 / Features

- 根据LED动作指示灯的颜色
- 可识别AC线圈规格、DC线圈规格
- 线圈颜色区分电压，识别度更高
- 适用环保型RoHS
- 符合UL、CE、TUV标准

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■ 特性



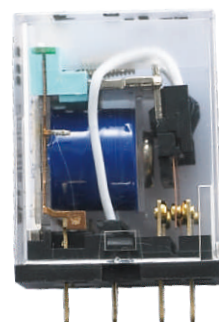
AC线圈规格(LED架:红)



DC线圈规格(LED架:蓝)

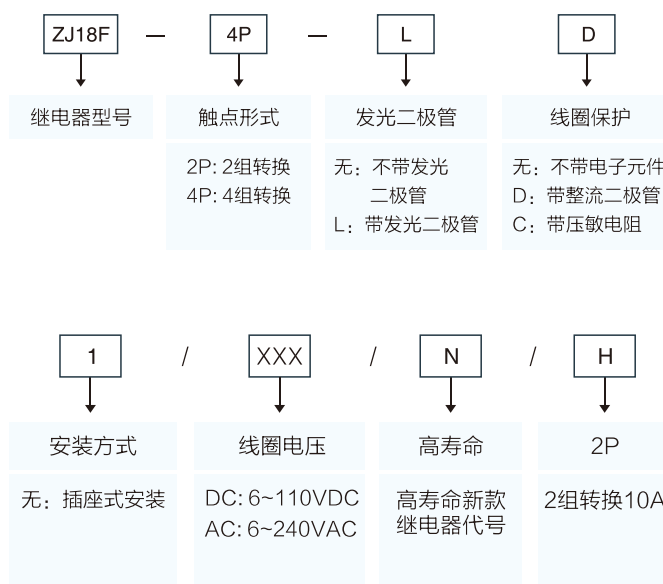


AC线圈规格(线圈:红)



DC线圈规格(线圈:蓝)

■ 型号说明



操作线圈

项目	额定电流(mA)		线圈电阻 (Ω)	线圈电感(H)		动作电压	复位电压	最大容许电压	消耗功率 (VA, W)	
	50Hz	60Hz		铁片开路时	铁片动作时					
AC	24	53.8	46	180	0.69	1.3	80%以下 ¹⁾	30%以上 ²⁾	100%	约1.1(60Hz)
	100/110	11.7/12.9	10.0/11.0	3750	14.54	24.6				约0.9~1.1 (60Hz)
	200/220	6.2/6.8	5.3/5.8	12950	54.75	94.07				
	220/240	5.2/6.2	4.3/5.0	15920	83.5	136.4				
DC	24	36.3(37.7)		662(636)	3.2	5.72	10%以上 ²⁾		约0.9	

注 1. 额定电流、线圈电阻值指的是线圈温度为+23℃时的值。公差为AC额定电流+15%、-20%、DC线圈电阻±15%。

2. AC线圈电阻、电感的值为参考值。(60Hz时)

3. 动作特性指的是线圈温度为+23℃时的值。

4. DC线圈的额定电流、线圈电阻()内表示带动作指示灯的值。

5. 最大容许电压指的是环境温度为+23℃时的值。

*1. 各产品均有差异，实效值在80%以下。

外加额定值30%以上的电压时，继电器会产生动作。但为了获取规定的性能，请对线圈外加额定电压加以使用。

*2. 各产品均有差异，实效值在AC30%以上、DC10%以上。为确保正常复位，请设在该值以下。

开关部

极数	2极		2极/大电流	4极	
	阻性负载	感性负载 (cosΦ=0.4, L/R=7ms)		阻性负载	阻性负载
触点构成	2C		2C	4C	
触点机构	单接点		单接点	单接点	
触点材质	Ag		Ag	Ag	
额定负载	AC220V 5A DC24V 5A	AC220V 2A DC24V 2A	AC250V 10A DC30V 10A	AC220V 3A DC24V 3A	AC220V 0.8A DC24V 1.5A
额定通电流	5A		10A	3A	
触点电压最大值	AC250V, DC125V		AC250V, DC30V	AC250V, DC125V	
触点电流最大值	5A		10A	3A	
开关容量最大值	1100VA 120W	440VA 48W	2500VA 300W	660VA 72W	176VA 36W
最小适用负载(参考值)*	DC5V 1mA		DC5V 1mA	DC5V 1mA	

*表示电子回路等微小负载等级中可开关极限的大致基准，并非保证值。

该值可能因开关频率、环境、希望可靠性基准而发生变化。请在实际使用条件下对实际设备进行确认。

性能

极数	2极		2极/大电流	4极	
接触电阻 ¹⁾	100mΩ		50mΩ	100mΩ	
动作时间 ²⁾	20ms以下				
复位时间 ²⁾	20ms以下				
最大开关频率	机械	18000次/小时			
	额定负载	2400次/小时			
绝缘电阻 ³⁾	1000MΩ以上				
耐电压	线圈和接点间	AC2000V 50/60Hz 1min			
	异极接点间	AC2000V 50/60Hz 1min			
	同极接点间	AC1000V 50/60Hz 1min			
振动	耐久	10~55~10Hz, 双振幅1.0mm			
	误动作	10~55~10Hz, 双振幅1.0mm			
冲击	耐久	1000m/s ² (约100g)			
	误动作	200m/s ² (约20g)			
耐久性	机械	50,000,000次(开关频率18000次/小时)			
	电气 ⁴⁾	500,000次(开关频率2400次/小时)	500,000次(开关频率2400次/小时)	200,000次(开关频率2400次/小时)	
使用环境温度	标准型 -55℃~+70℃(不结冰、凝露)		带动作指示灯 -40℃~+70℃(不结冰、凝露)		
使用环境湿度	5~85%RH				
重量	约35g				

注.上述值为初始值。

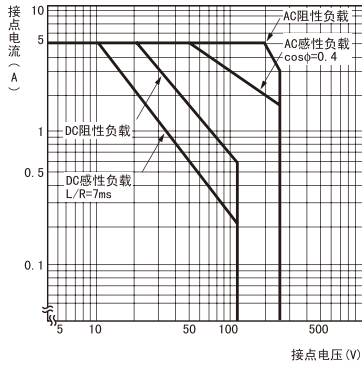
*1. 测量条件: DC5V 1A 电压下降法。

*2. 测量条件: 外加额定操作电压时不包括接点跳动时间。

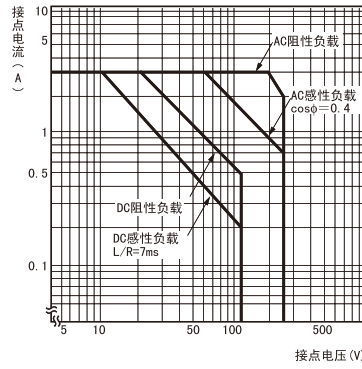
*3. 测量条件: 用DC500V绝缘电阻计测量与耐电压项目中相同的部位。

*4. 环境温度条件: +23℃ 占空比: 33%

开关容量最大值
ZJ18F-2P/N

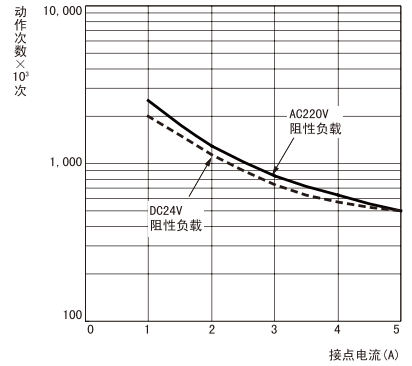


ZJ18F-4P/N

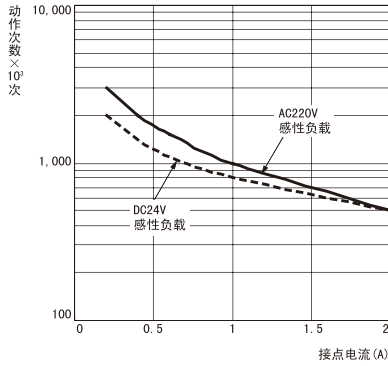


耐久性曲线

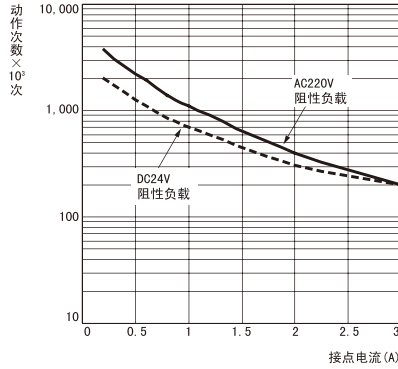
ZJ18F-2P/N(阻性负载)



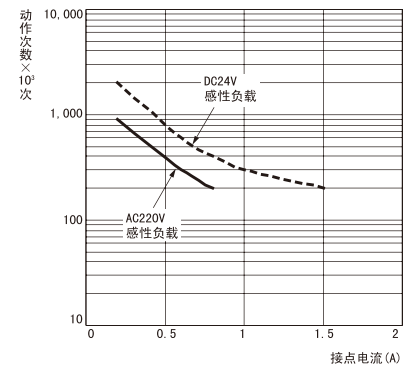
ZJ18F-2P/N(感性负载)



ZJ18F-4P/N(阻性负载)



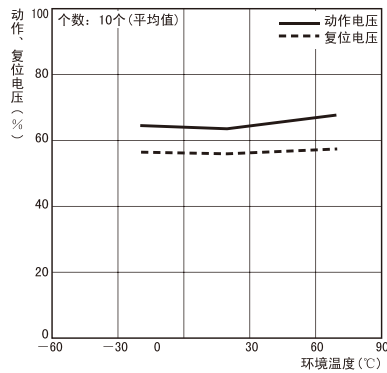
ZJ18F-4P/N(感性负载)



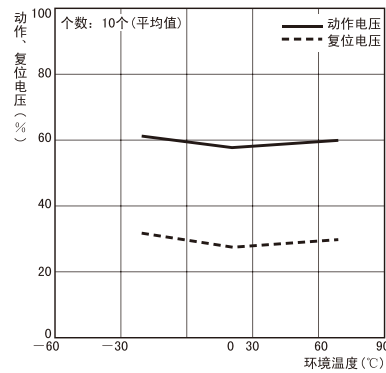
ZJ18F/N
继电器

环境温度 and 动作/复位电压

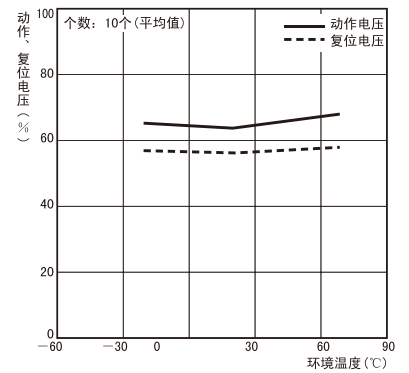
ZJ18F-2P/N AC规格



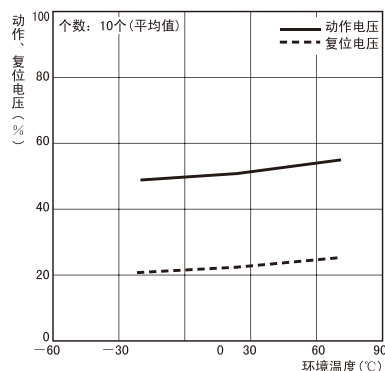
ZJ18F-2P/N DC规格



ZJ18F-4P/N AC规格

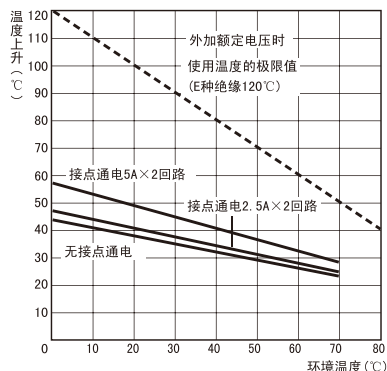


ZJ18F-4P/N DC规格

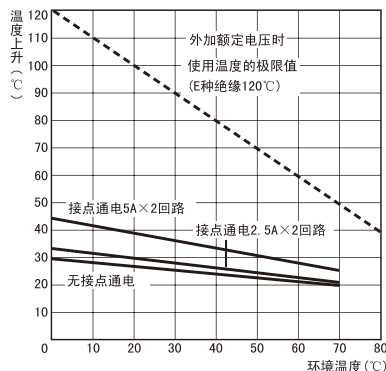


环境温度和线圈温度上升

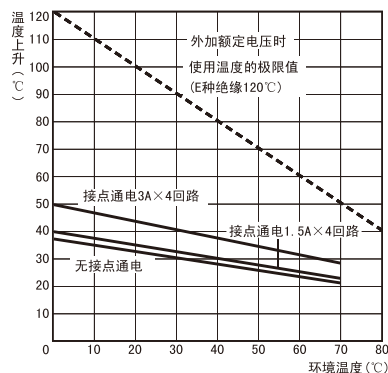
ZJ18F-2P/N AC规格



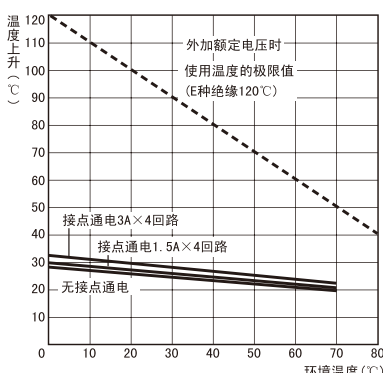
ZJ18F-2P/N DC规格



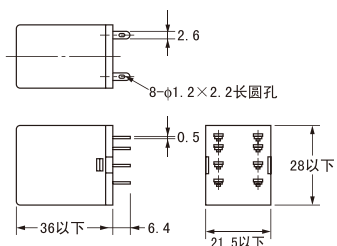
ZJ18F-4P/N AC规格



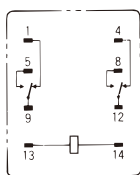
ZJ18F-4P/N DC规格



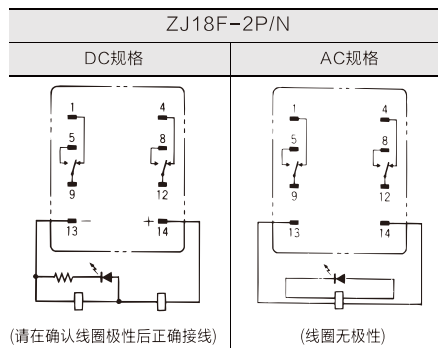
ZJ18F-2P/N



端子配置/内部接线圈
(底视图)
标准型

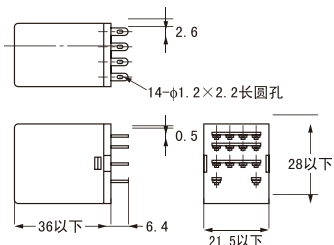


(无线圈极性)

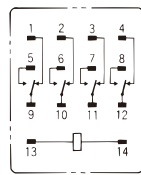


- 注1.AC规格备有线圈断线自诊断功能。
- 2.对于DC规格,请在确认线圈极性后正确接线。
- 3.LED的颜色为AC红色、DC绿色。
- 4.动作指示灯显示线圈的通电情况,并非根据接点动作进行显示。

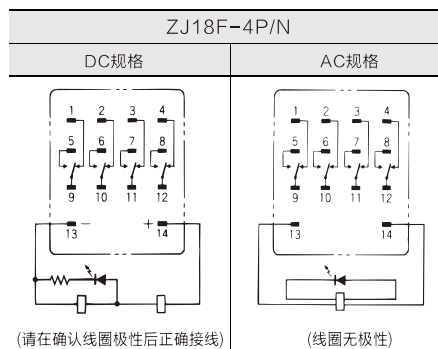
ZJ18F-4P/N



端子配置/内部接线圈
(底视图)
标准型



(无线圈极性)



- 注1.AC规格备有线圈断线自诊断功能。
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ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

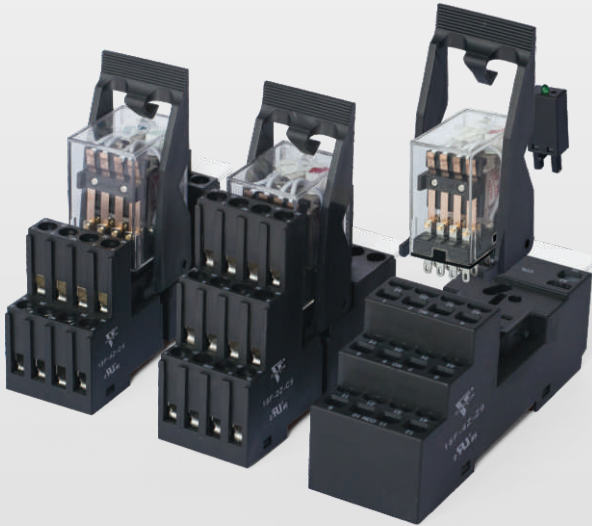
附件

ZJ18F/N

继电器

ZJ18F 小型中功率继电器

Miniature Intermediate Power Relay



■ 特性 / Features

- 镀金触点型
- 多种类型继电器, 包括内置发光二极管
- 具有二、三、四组转换触点形式
- 多种引出脚形式
- 透明防尘罩型、多种安装方式、备有各种插座供选用
- 可提供环保产品 (符合RoHS)
- 外形尺寸: 28.0×21.3×35.2mm
- 7A Switching capability (2P, 3P type)
- 1.5kV dielectric strength (between coil and contacts)
- Gold plated contact available
- Conform to the CE low voltage directive
- Sockets available
- 2 to 4 pole configurations
- Environmental friendly product (RoHS compliant)
- Dimensions: 28.0×21.3×35.2 mm

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■ 触点参数 / Contact Data

触点形式/Contact arrangement	2P,3P	4P
接触电阻(典型值)/Contact resistance (typical)	100mΩ (1A 6VDC)	
触点材料/Contact materials	AgSnO ₂ , AgCdO ₂	
触点负载(阻性)/Contact load (resistance)	6.6A 250VAC/ 30VDC	5A 250VAC/ 30VDC
最大切换电压/Max. switching voltage	250VAC/30VDC	
最大切换电流/Max. switching current	6.6A	5A
最大切换功率/Max. switching power	1650VA/ 198W	1250VA/ 150W
机械寿命/Mechanical endurance	2 × 10 ⁷ 次	
电气寿命/Electrical endurance	1 × 10 ⁵ 次	

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	1000MΩ (500VDC)	
介质耐压 Dielectric Strength	线圈和触点间 Between coil and contact	1500VAC 1Min
	断开触点间 Between open contacts	1000VAC 1Min
	触点组点间 Between contact sets	1500VAC 1Min
动作时间/Operate time	25ms	
释放时间/Release time	25ms	
冲击 Shock resistance	稳定性/Functional	100m/s ²
	强度/Destructive	1000m/s ²
振动 /Vibration	10~55Hz 1mm	
湿度 /Humidity	98%RH, +40℃	
温度范围 /Ambient temperature	-55℃~+70℃	
引出端形式 /Termination	印制板式、插入式 PCB, plug-in	
重量 /Weight	约37g	
封装方式 /Construction	防尘罩型/Dust protected	

■ 线圈参数 / Coil

额定线圈功率 /Coil power	AC: 900mW; DC: 1.2VA
--------------------	----------------------

■ 线圈规格 / Coil Data(23℃)

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.8	≥0.6	40 ± 10%
12	≤9.6	≥1.2	160 ± 10%
24	≤19.2	≥2.4	650 ± 10%
48	≤38.4	≥4.8	2600 ± 10%
110	≤88.0	≥11.0	11000 ± 10%

额定电压(VAC) Rated voltage	动作电压(VAC) Pick-up voltage	释放电压(VAC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.80	≥1.8	12.0 ± 10%
12	≤9.60	≥3.6	46 ± 10%
24	≤19.20	≥7.2	180 ± 10%
36	≤28.8	≥10.8	450 ± 10%
48	≤38.4	≥14.4	780 ± 10%
100/110	≤80.0	≥30.0	3750 ± 10%
200/220	≤160.0	≥60.0	12950 ± 10%
220/240	≤176.0	≥66.0	18790 ± 10%

■ 安全认证 / Safety Approval ratings

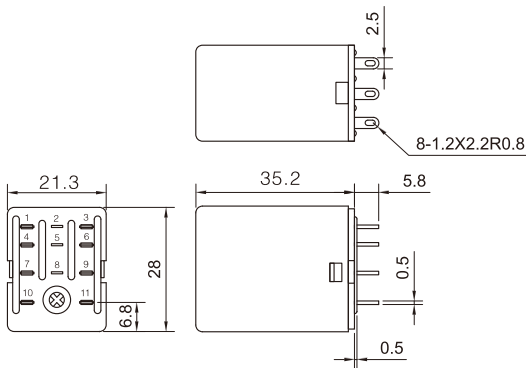
UL&CUR	2Z, 3Z: 6.6A 250VAC/30VDC 4Z: 5A 250VAC/30VDC
TUV	2Z, 3Z: 6.6A 250VAC/30VDC 4Z: 5A 250VAC/30VDC

型号说明 / Ordering Information

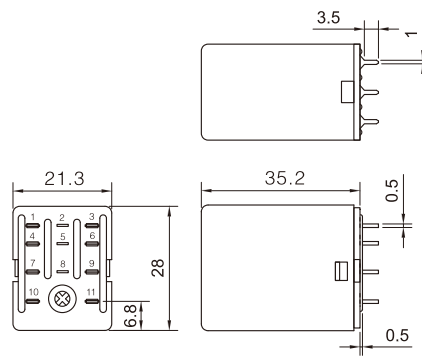
ZJ18F	4P	L	D	1	XXX
继电器型号 Type	触点形式 Contact arrangement	发光二极管 LED	线圈保护 Coil protection	安装方式 Mounting Termination	线圈电压 Coil voltage
	2P: 2组转换 3P: 2组转换 4P: 4组转换 2P: 2 Form C 3P: 3 Form C 4P: 4 Form C	无: 不带发光二极管 L: 带发光二极管 Nil: Without LED L: With LED	无: 不带电子元件 D: 带整流二极管 C: 带压敏电阻 Nil: Without electronic components D: With rectifier diode C: With varistor	无: 插座式安装 1: 印制板安装 2: 法兰盘安装 (见下图) Nil: Socket 1: PCB 2: Flange-Mounting (See the following)	DC: 6~110VDC AC: 6~240VAC

外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

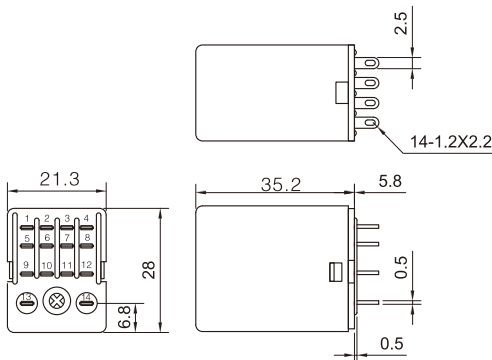
□ ZJ18F-2P/3P



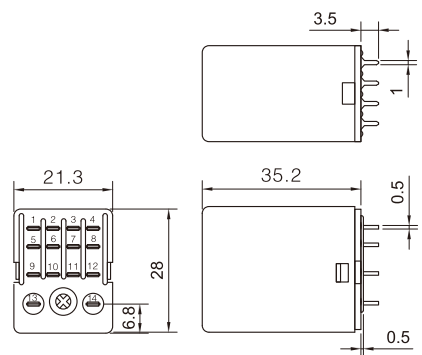
□ ZJ18F-2P1/3P1



□ ZJ18F-4P



□ ZJ18F-4P1



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ18F

继电器

ZJ18FT

继电器

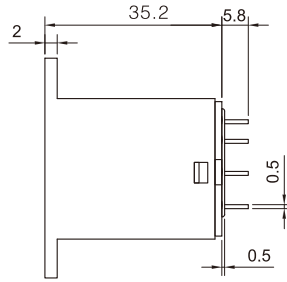
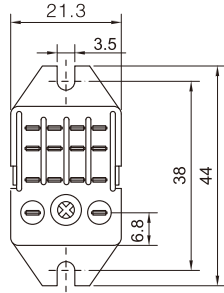
18F

继电器插座

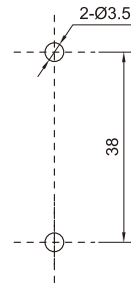
外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

□ ZJ18F-4P2

外形图/outline Dimensions

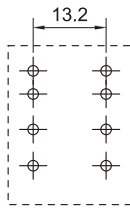


法兰盘安装尺寸/Mounting Holes

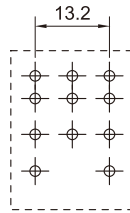


安装孔尺寸(底视图) /PCB Layout (Bottom view)

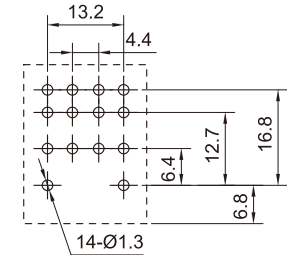
两组转换 /2 Form C



三组转换 /3 Form C

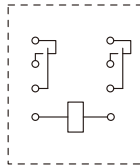


四组转换 /4 Form C

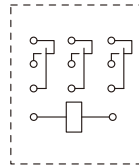


接线图(底视图) /Wiring Diagram(Bottom view)

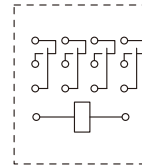
两组转换 /2 Form C



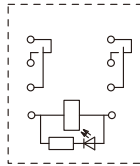
三组转换 /3 Form C



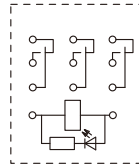
四组转换 /4 Form C



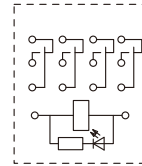
两组转换 (带发光二极管)
2 Form C(With LED)



三组转换 (带发光二极管)
3 Form C(With LED)



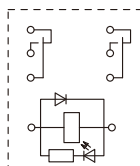
四组转换 (带发光二极管)
4 Form C(With LED)



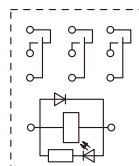
说明: 交流带发光二极管产品无正负

Remark: For AC parts with diode, the positive and negative pole markings on wiring diagram are not applicable.

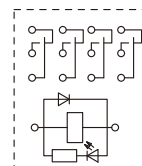
两组转换 (直流带续流二极管)
2 Form C(DC, With fly-wheel diode)



三组转换 (直流带续流二极管)
3 Form C(DC, With fly-wheel diode)



四组转换 (直流带续流二极管)
4 Form C(DC, With fly-wheel diode)



备注: (1)产品部分外形尺寸未注尺寸公差, 当外形尺寸 ≤ 1mm, 公差为 ±0.2mm; 当外形尺寸在(1~5)mm之间时, 公差为 ±0.3mm; 当外形尺寸 > 5mm, 公差为 ±0.4mm.

(2)安装孔尺寸中未注尺寸公差为 ±0.1mm.

■ 触点参数 / Contact Data

触点形式/Contact arrangement	2P/3P	4P
接触电阻(典型值)/Contact resistance (typical)	50mΩ (1A 24VDC)	
触点材料/Contact materials	AgSnO ₂ , AgCdO ₁₂	
触点负载(阻性)/Contact load (resistance)	10A 250VAC/ 30VDC	5A 250VAC/ 30VDC
最大切换电压/Max. switching voltage	250VAC/30VDC	
最大切换电流/Max. switching current	10A	5A
最大切换功率/Max. switching power	2500VA/ 300W	1250VA/ 150W
机械寿命/Mechanical endurance	1 × 10 ⁷ 次	
电气寿命/Electrical endurance	1 × 10 ⁵ 次	

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	1000MΩ (500VDC)	
介电耐压 Dielectric Strength	线圈和触点间 Between coil and contact	1500VAC 1Min
	断开触点间 Between open contacts	1000VAC 1Min
	触点组点间 Between contact sets	1500VAC 1Min
动作时间/Operate time	25ms	
释放时间/Release time	25ms	
冲击 Shock resistance	稳定性/Functional	100m/s ²
	强度/Destructive	1000m/s ²
振动/Vibration	10~55Hz 1mm	
湿度/Humidity	98%RH, +40℃	
温度范围/Ambient temperature	-40℃~+70℃	
引出端形式/Termination	印制板式、插入式 PCB, plug-in	
重量/Weight	约37g	
封装方式/Construction	防尘罩型/Dust protected	

■ 线圈参数 / Coil

额定线圈功率/Coil power	AC: 900mW; DC: 1.2VA
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■ 线圈规格 / Coil Data(23℃)

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.8	≥0.6	40 ± 10%
12	≤9.6	≥1.2	160 ± 10%
24	≤19.2	≥2.4	650 ± 10%
48	≤38.4	≥4.8	2600 ± 10%
110	≤88.0	≥11.0	11000 ± 10%

额定电压(VAC) Rated voltage	动作电压(VAC) Pick-up voltage	释放电压(VAC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.80	≥1.8	12.0 ± 10%
12	≤9.60	≥3.6	46 ± 10%
24	≤19.20	≥7.2	180 ± 10%
36	≤28.8	≥10.8	450 ± 10%
48	≤38.4	≥14.4	780 ± 10%
100/110	≤80.0	≥30.0	3750 ± 10%
200/220	≤160.0	≥60.0	12950 ± 10%
220/240	≤176.0	≥66.0	18790 ± 10%

ZJ18FT小型中功率继电器 Miniature Intermediate Power Relay



■ 特性 / Features

- 带按钮测试功能
- 多种类型继电器, 包括内置发光二极管
- 具有二、四组转换触点形式
- 多种引出脚形式
- 透明防尘罩型、多种安装方式、备有各种插座供选用
- 可提供环保产品 (符合RoHS)
- 外形尺寸: 28.0 × 21.3 × 35.2mm
- 10A Switching capability (2P type)
- 2kV dielectric strength
- 2 & 4 pole configurations
- Various terminals, test button available
- Gold plated contact available
- Sockets available
- Environmental friendly product (RoHS compliant)
- Dimensions: 28.0 × 21.3 × 35.2 mm

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扫一扫, 更精彩……



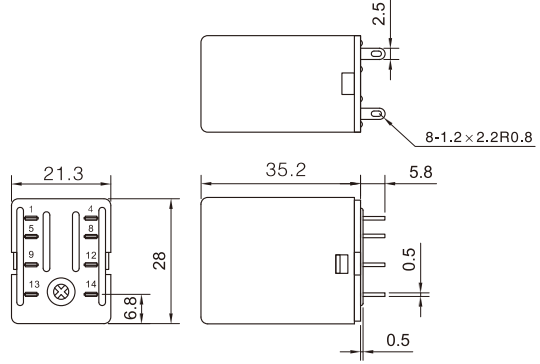
型号说明 / Ordering Information

ZJ18FT	—	4P	—	L		D		1	/	XXX
继电器型号 Type		触点形式 Contact arrangement		发光二极管 LED		线圈保护 Coil protection		安装方式 Mounting Termination		线圈电压 Coil voltage
		2P: 2组转换 3P: 3组转换 4P: 4组转换 2P: 2 Form C 3P: 3 Form C 4P: 4 Form C		无: 不带发光二极管 L: 带发光二极管 Nil: Without LED L: With LED		无: 不带电子元件 D: 带整流二极管 C: 带压敏电阻 Nil: Without electronic components D: With rectifier diode C: With varistor		无: 插座式安装 1: 印制板安装 Nil: Socket 1: PCB		DC: 5~110VDC AC: 6~240VAC

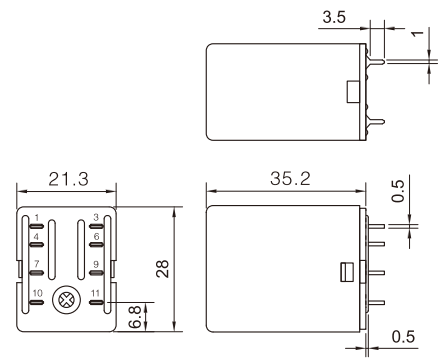
外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

- ZJ18F 继电器
- ZJ18FT 继电器
- 18F 继电器插座

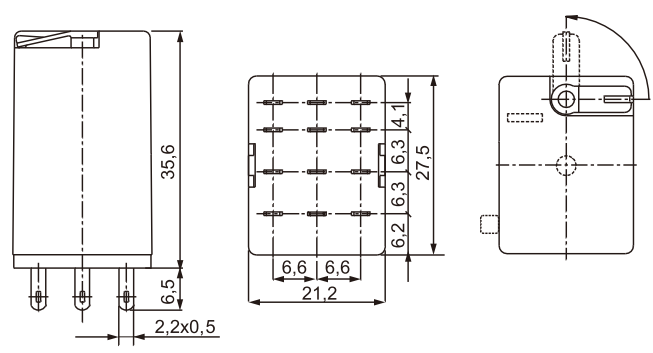
□ ZJ18FT-2P



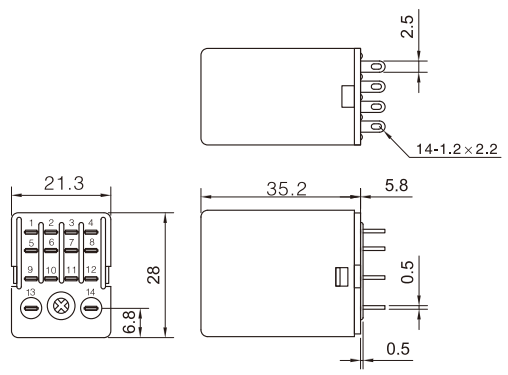
□ ZJ18FT-2P1



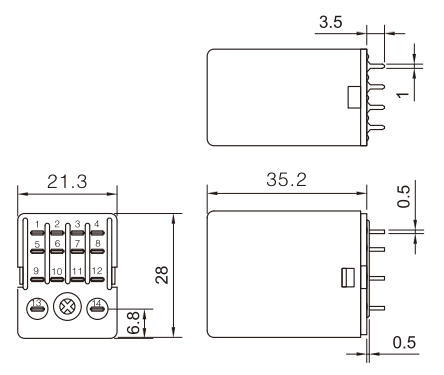
□ ZJ18FT-3P



□ ZJ18FT-4P



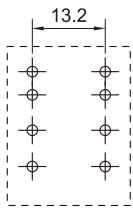
□ ZJ18FT-4P1



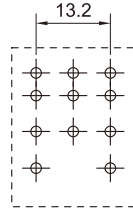
外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

安装孔尺寸(底视图) /PCB Layout (Bottom view)

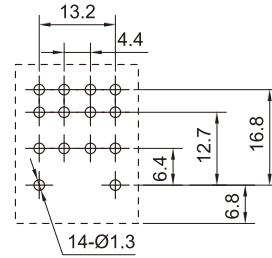
两组转换 /2 Form C



三组转换 /3 Form C

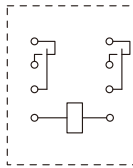


四组转换 /4 Form C

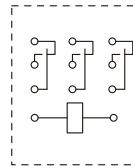


接线图(底视图) /Wiring Diagram(Bottom view)

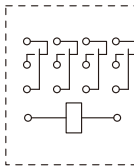
两组转换 /2 Form C



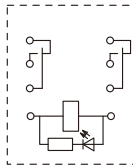
三组转换 /3 Form C



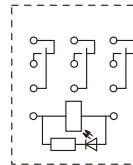
四组转换 /4 Form C



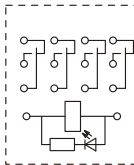
两组转换 (带发光二极管)
2 Form C(With LED)



三组转换 (带发光二极管)
3 Form C(With LED)



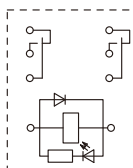
四组转换 (带发光二极管)
4 Form C(With LED)



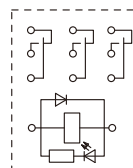
说明: 交流带发光二极管产品无正负

Remark: For AC parts with diode, the positive and negative pole markings on wiring diagram are not applicable.

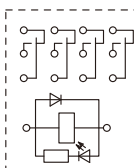
两组转换 (直流带续流二极管)
2 Form C(DC, With fly-wheel diode)



三组转换 (直流带续流二极管)
3 Form C(DC, With fly-wheel diode)



四组转换 (直流带续流二极管)
4 Form C(DC, With fly-wheel diode)



备注: (1)产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $(1\sim 5)\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$, 公差为 $\pm 0.4\text{mm}$.

(2)安装孔尺寸中未注尺寸公差为 $\pm 0.1\text{mm}$.



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93





附件

ZJ18F
继电器

ZJ18FT
继电器

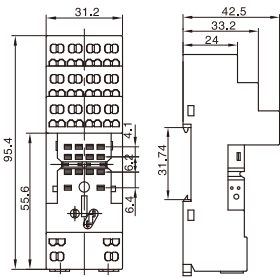
18F
继电器插座

性能参数 / Parameter

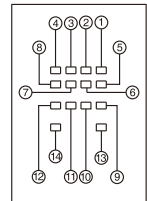
类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-4Z-C9	18F-2Z-C9	18F-4Z-C5	18F-3Z-C5
外观/Appearance				
Rated current / Rated voltage	12A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 1.5mm ²		min. 0.5mm ² / max. 2.5mm ²	
Conductor cross section(A.W.G)	min.20/max.16		min.20/max.14	
Stripping length	10mm		7mm	
Screw Thread	Cage Clamp		M3	
Ambient temperature (operation)	-25°C~+85°C			

- ZJ18F 继电器
- ZJ18FT 继电器
- 18F 继电器插座**

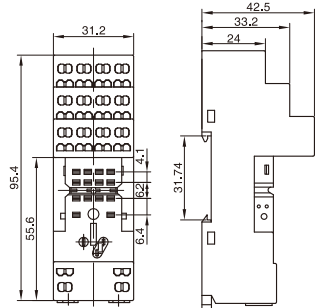
18F-4Z-C9



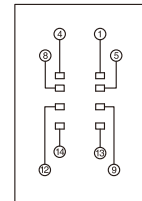
接线图 /Wiring Diagram



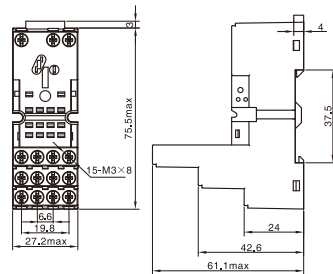
18F-2Z-C9



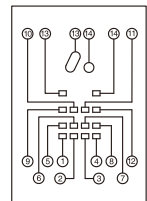
接线图 /Wiring Diagram



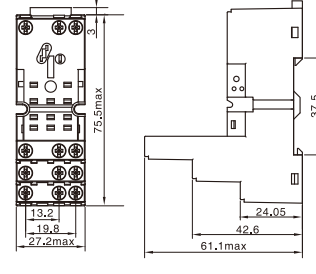
18F-4Z-C5



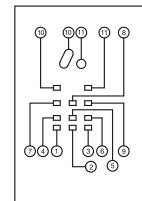
接线图 /Wiring Diagram



18F-3Z-C5



接线图 /Wiring Diagram



性能参数 / Parameter

类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-2Z-C5	18F-4Z-C4	18F-3Z-C4	18F-2Z-C4
外观/Appearance				
Rated current / Rated voltage	12A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²			
Conductor cross section(A.W.G)	min.20/max.14			
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ18F

继电器

ZJ18FT

继电器

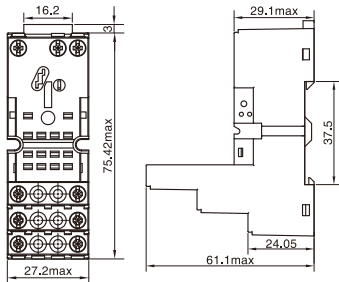
18F

继电器插座

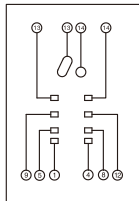
18F-2Z-C5



cULus E238167



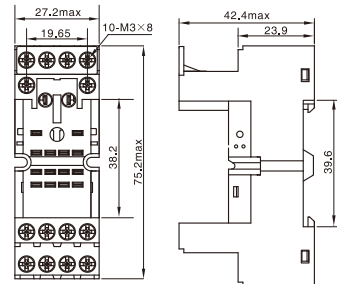
接线图 /Wiring Diagram



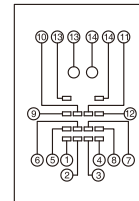
18F-4Z-C4



cULus E238167



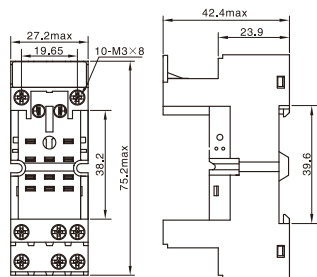
接线图 /Wiring Diagram



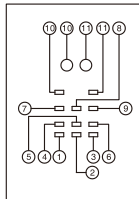
18F-3Z-C4



cULus E238167



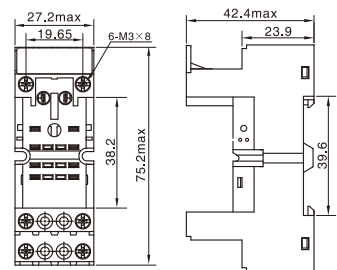
接线图 /Wiring Diagram



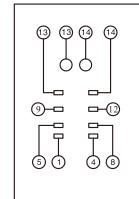
18F-2Z-C4



cULus E238167



接线图 /Wiring Diagram

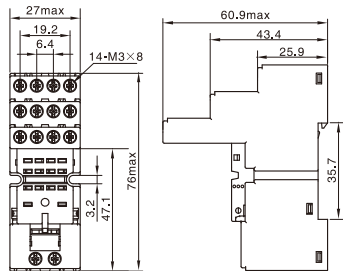


性能参数 / Parameter

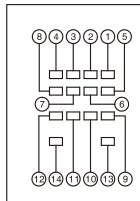
类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-4Z-C3	18F-2Z-C3	18F-4Z-C8	18F-2Z-C8
外观/Appearance				
Rated current / Rated voltage	12A/300V		10A/300V	
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²		1.5mm ²	
Conductor cross section(A.W.G)	min.20/max.14		16	
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

- ZJ18F 继电器
- ZJ18FT 继电器
- 18F 继电器插座**

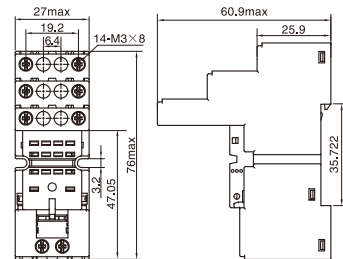
18F-4Z-C3



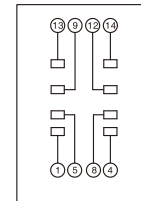
接线图 /Wiring Diagram



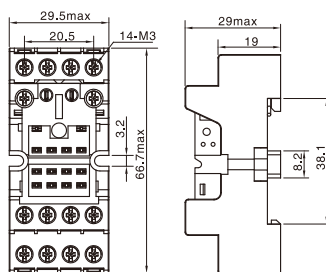
18F-2Z-C3



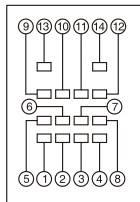
接线图 /Wiring Diagram



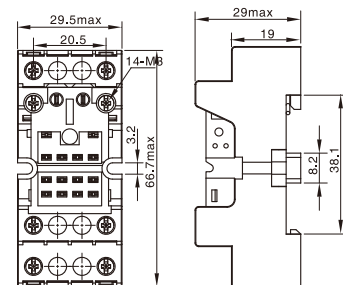
18F-4Z-C8



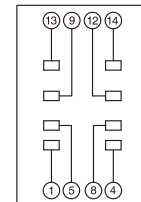
接线图 /Wiring Diagram



18F-2Z-C8



接线图 /Wiring Diagram



性能参数 / Parameter

类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-4Z-C7	18F-2Z-C7	18F-4Z-C6	18F-2Z-C6
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	1.5mm ²			
Conductor cross section(A.W.G)	16			
Stripping length				
Screw Thread	M3			
Ambient temperature (operation)	-25℃~+85℃			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ18F

继电器

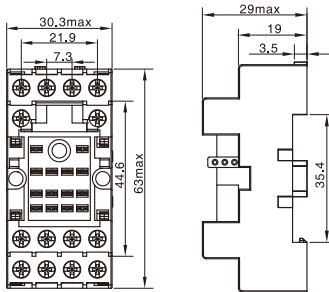
ZJ18FT

继电器

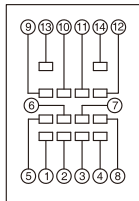
18F

继电器插座

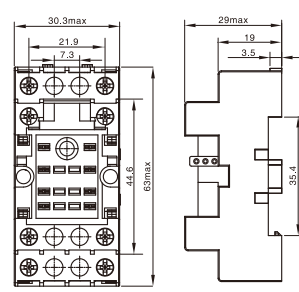
18F-4Z-C7



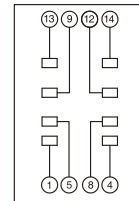
接线图 /Wiring Diagram



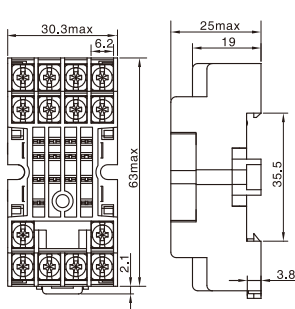
18F-2Z-C7



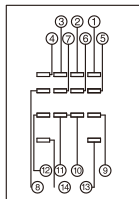
接线图 /Wiring Diagram



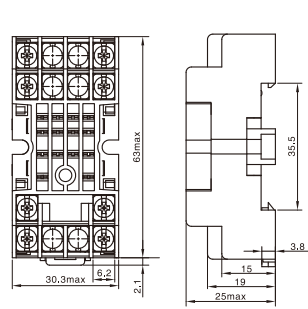
18F-4Z-C6



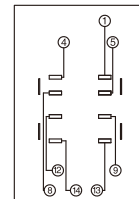
接线图 /Wiring Diagram



18F-2Z-C6



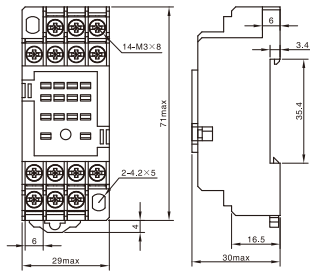
接线图 /Wiring Diagram



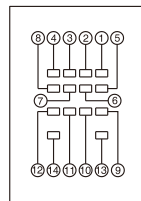
性能参数 / Parameter

类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-4Z-C1/18F-4Z-C1-N	18F-3Z-C1	18F-2Z-C1	18F-4Z-C2/18F-4Z-C2-N
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	1.5mm ²			
Conductor cross section(A.W.G)	16			
Stripping length				
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

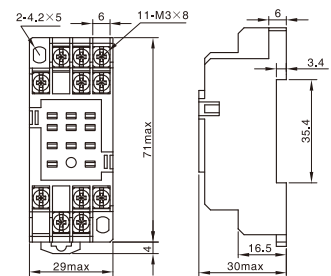
18F-4Z-C1
18F-4Z-C1-N



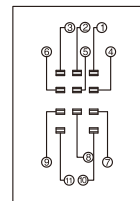
接线图 /Wiring Diagram



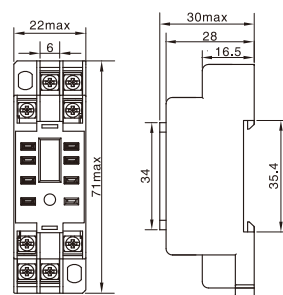
18F-3Z-C1



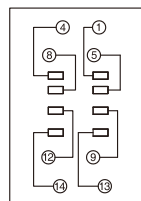
接线图 /Wiring Diagram



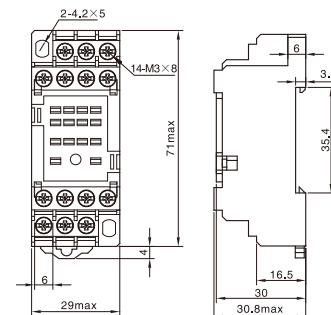
18F-2Z-C1



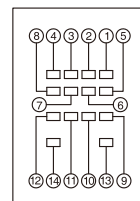
接线图 /Wiring Diagram



18F-4Z-C2
18F-4Z-C2-N



接线图 /Wiring Diagram



ZJ18F
继电器

ZJ18FT
继电器

18F
继电器插座

性能参数 / Parameter

类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-3Z-C2	18F-2Z-C2	18F-4Z-B	18F-4Z-A
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	1.5mm ²			
Conductor cross section(A.W.G)	16			
Stripping length				
Screw Thread	M3			
Ambient temperature (operation)	-25℃~+85℃			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ18F

继电器

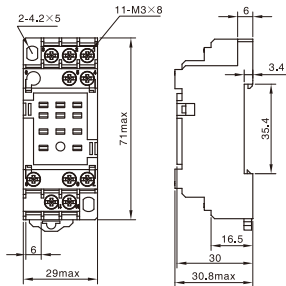
ZJ18FT

继电器

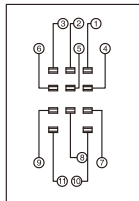
18F

继电器插座

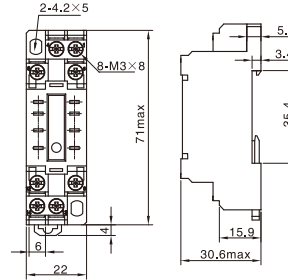
18F-3Z-C2



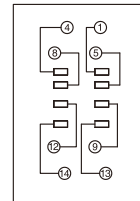
接线图 /Wiring Diagram



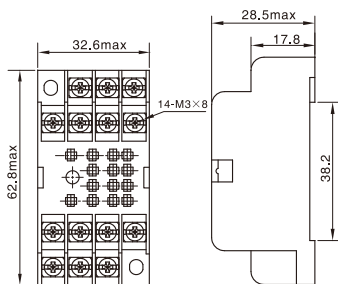
18F-2Z-C2



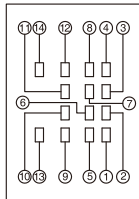
接线图 /Wiring Diagram



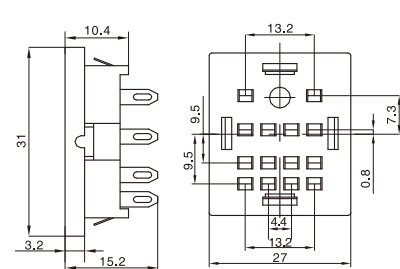
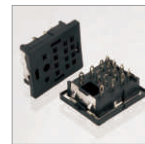
18F-4Z-B



接线图 /Wiring Diagram



18F-4Z-A

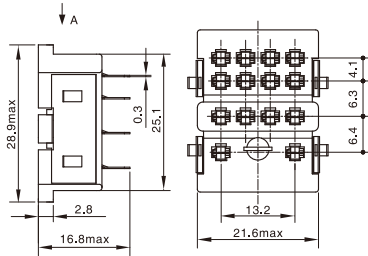


性能参数 / Parameter

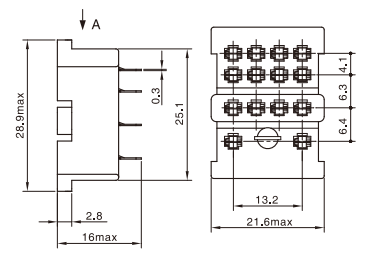
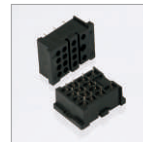
类型/Name	18F继电器插座 / 18F Relay socket			
型号/Type	18F-4Z-A1	18F-4Z-A2	18F-3Z-A1	18F-3Z-A2
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	2500		1500	
Conductor cross section solid and stranded				
Conductor cross section(A.W.G)				
Stripping length				
Screw Thread				
Ambient temperature (operation)	-25°C~+85°C			

- ZJ18F 继电器
- ZJ18FT 继电器
- 18F 继电器插座**

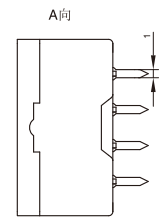
18F-4Z-A1



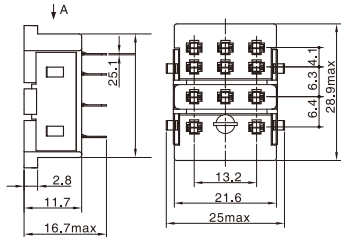
18F-4Z-A2



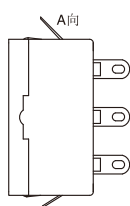
接线图/Wiring Diagram



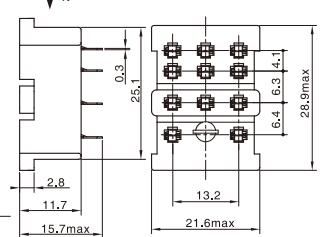
18F-3Z-A1



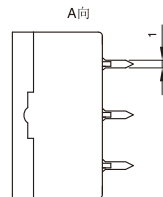
接线图/Wiring Diagram




18F-3Z-A2



接线图/Wiring Diagram



性能参数 / Parameter

类型/Name	18F继电器插座 / 18F Relay socket	
型号/Type	18F-2Z-A1	18F-2Z-A2
外观/Appearance		
Rated current / Rated voltage	10A/300V	
Dielectric strength adjacent contact circuits	1500	
Conductor cross section solid and stranded		
Conductor cross section(A.W.G)		
Stripping length		
Screw Thread		
Ambient temperature (operation)	-25℃~+85℃	

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ18F

继电器

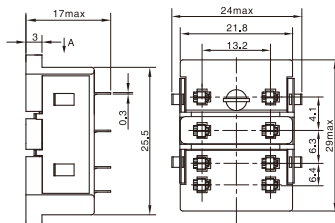
ZJ18FT

继电器

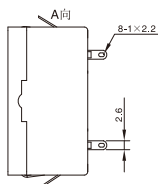
18F

继电器插座

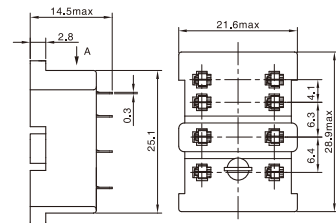
18F-2Z-A1



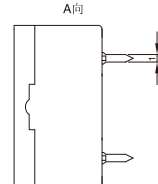
接线图 /Wiring Diagram



18F-2Z-A2



接线图 /Wiring Diagram



ZJ14F小型大功率继电器 Miniature PCB Power Relay



■ 特性 / Features

- 小型(宽度20mm)
- 印制板式安装
- 绝缘电压: 5kV/8mm
- 触点切换能力: 5A / 10A
- 适用于工业电子
- 线圈功耗低
- 密封性好

- Miniature size 20mm
- PCB mounting
- 5 kV/8 mm insulation
- Switching capacity 5A / 10A
- General purpose, Industrial electronics
- Low coil power consumption
- Sealed

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■ 触点参数 / Contact Characteristics

触点材料 / Contact material	Ag SnO	
额定切换电流(阻性负载) Rated switching current(with resistive load)	5A(2 C/O)	10A(1 C/O)
Max. switching current(with resistive load)	8A(2 C/O)	12A(1 C/O)
额定电压 / Rated voltage	250VAC/30VDC	
接触电阻 / Initial Contact resistance	Ag SnO < 100mΩ (1A 6VDC)	
最大切换功率(阻性负载) Max. switching power(with resistive load)	2880 VA/360W	
最小切换电流(典型值) Min. switching current(typical value)	10mA at 5VDC	
电气寿命 / Electrical endurance	1 × 10 ⁵ 次	
机械寿命 / Mechanical endurance	1 × 10 ⁷ 次	

■ 一般性能 / General Data

动作时间 / Operating time(at rated voltage)	20ms
释放时间 / Release time	10ms
温度范围 Ambient temperature(at rated voltage)	-40℃~+85℃
内部防护等级 / Inside protection (IEC 144)	IP67
工作等级 / Working class type of service	C/Continuous
焊接温度 / Soldering bath temperature	260℃ max.
焊接时间 / Soldering time	5s max.
重量 / Weight	14 g ~

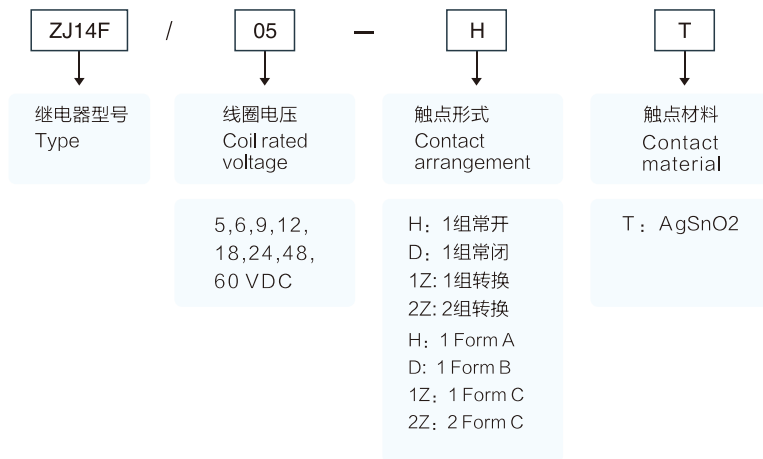
■ 绝缘性能 / Insulation

介质耐压 Test voltage (1min.)	断开触点间 / Open contacts	1000 VAC
	线圈和触点间 / Contacts coil	5000 VAC
冲击 Shock resistance	稳定性 / Operating extremes	10G
	强度 / Damage Limits	100G
绝缘电阻 / Insulation resistance	>100MΩ (at 500VDC)	

■ 线圈规格 / Coil Data(20℃)

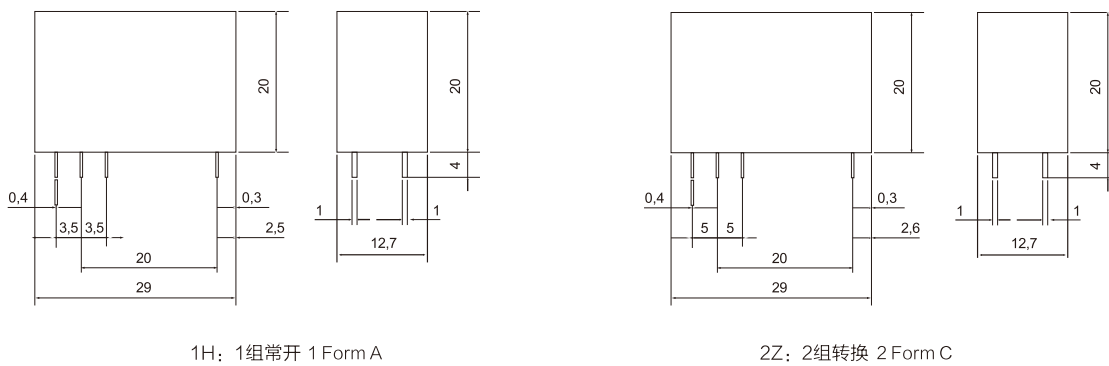
额定电压 (VDC) Rated voltage	线圈电阻 Winding resistance (Ω) ± 10%	工作范围(VDC) Operating range		释放电压 (VDC) Drop-out voltage (must release)	额定功率 (mW) Rated power consumptoin
		动作电压 Pick-up voltage	最大值 Max.		
3	17	2.4	3.9	0.15	540
5	46	4.0	6.5	0.25	540
6	67	4.8	7.8	0.3	540
9	150	7.2	11.7	0.45	540
12	270	9.6	15.6	0.6	540
24	1050	19.2	31.2	1.2	540
48	4250	38.4	62.4	2.4	540
60	6670	48.0	90.0	3.0	540
110	22400	88.0	143.0	5.5	540

型号说明 / Ordering Information

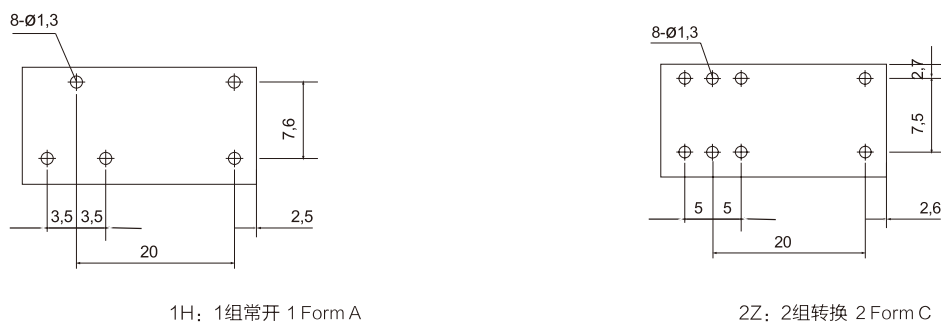


外形及安装尺寸 / Dimensions

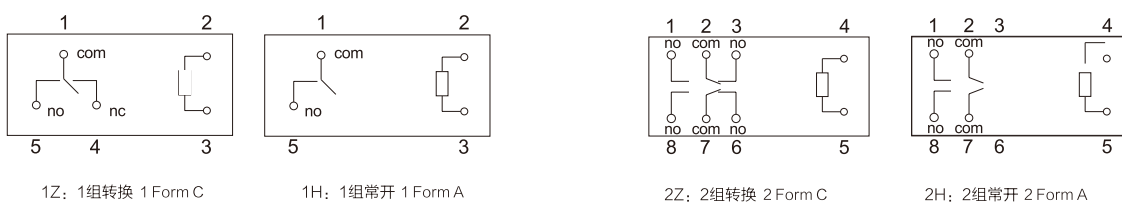
□ 外形尺寸 / Dimensions



□ 安装孔尺寸 / Pin View



□ 接线图 / Wiring Diagram



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJ14F

继电器

ZJ14FW

继电器

14F

继电器插座

ZJ14FW小型大功率继电器 Miniature PCB Power Relay



■ 特性 / Features

- 小型(宽度20mm)
- 印制板式安装
- 绝缘电压: 5kV/8mm
- 触点切换能力: 16A/250VAC
- 适用于工业电子
- 线圈功耗低
- 密封性好

- Miniature size 20mm
- PCB mounting
- 5 kV/8 mm insulation
- Switching capacity 16A/250VAC
- General purpose, Industrial electronics
- Low coil power consumption
- Sealed

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■ 触点参数 / Contact Characteristics

触点材料 / Contact material	Ag SnO
额定切换电流(阻性负载) Rated switching current(with resistive load)	16A(1C/O)
最大切换电流(阻性负载) Max. switching current(with resistive load)	20A(1C/O)
额定电压 / Rated voltage	250VAC/30VDC
接触电阻 / Initial Contact resistance	Ag SnO < 100mΩ (1A 6VDC)
最大切换功率(阻性负载) Max. switching power(with resistive load)	4800 VA/600W
最小切换电流(典型值) Min. switching current(typical value)	10mA at 5VDC
电气寿命 / Electrical endurance	1 × 10 ⁵ 次
机械寿命 / Mechanical endurance	1 × 10 ⁷ 次

■ 一般性能 / General Data

动作时间 / Operating time(at rated voltage)	20ms
释放时间 / Release time	10ms
温度范围 Ambient temperature(at rated voltage)	-40℃~+85℃
内部防护等级 / Inside protection (IEC 144)	IP67
工作等级 / Working class type of service	C/Continuous
焊接温度 / Soldering bath temperature	260℃ max.
焊接时间 / Soldering time	5s max.
重量 / Weight	14 g ~

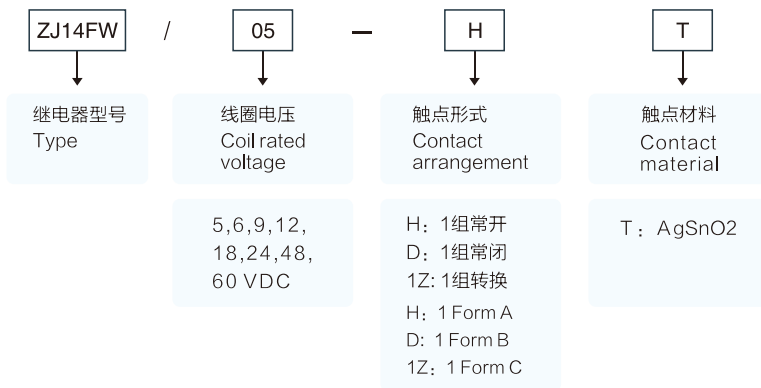
■ 绝缘性能 / Insulation

介质耐压 Test voltage (1min.)	断开触点间 / Open contacts	1000 VAC
	线圈和触点间 / Contacts coil	5000 VAC
冲击 Shock resistance	稳定性 / Operating extremes	10G
	强度 / Damage Limits	100G
绝缘电阻 / Insulation resistance		>100MΩ (at 500VDC)

■ 线圈规格 / Coil Data(20℃)

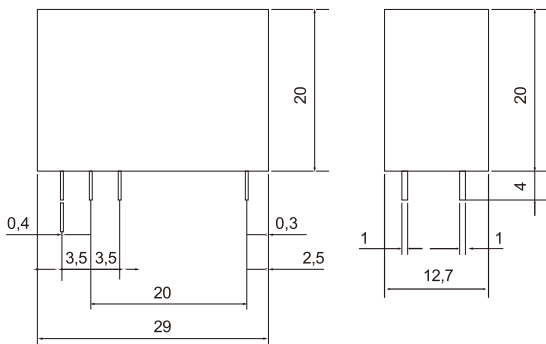
额定电压 (VDC) Rated voltage	线圈电阻 Winding resistance (Ω) ± 10%	工作范围(VDC) Operating range		释放电压 (VDC) Drop-out voltage (must release)	额定功率 (mW) Rated power consumption
		动作电压 Pick-up voltage	最大值 Max.		
3	17	2.4	3.9	0.15	540
5	46	4.0	6.5	0.25	540
6	67	4.8	7.8	0.3	540
9	150	7.2	11.7	0.45	540
12	270	9.6	15.6	0.6	540
24	1050	19.2	31.2	1.2	540
48	4250	38.4	62.4	2.4	540
60	6670	48.0	90.0	3.0	540
110	22400	88.0	143.0	5.5	540

型号说明 / Ordering Information

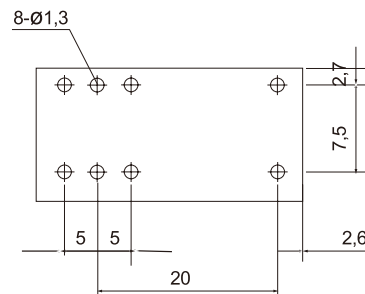


外形及安装尺寸 / Dimensions

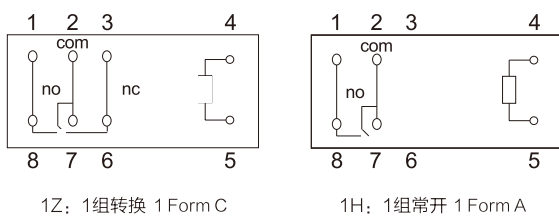
□ 外形尺寸 / Dimensions



□ 安装孔尺寸 / Pin View



□ 接线图 / Wiring Diagram



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

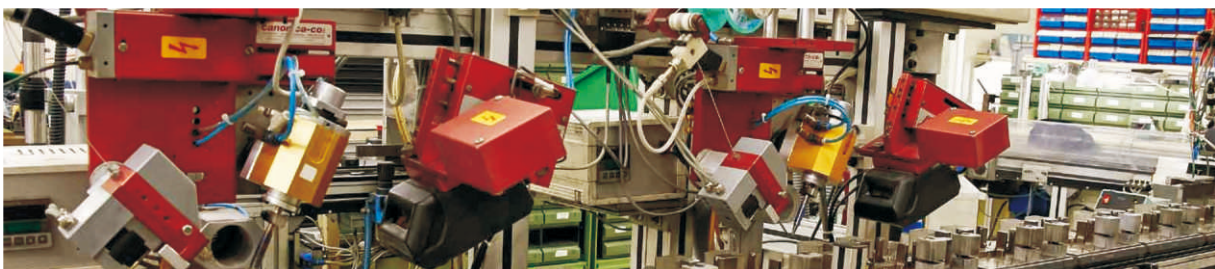
ZJT93

附件

ZJ14F
继电器

ZJ14FW
继电器

14F
继电器插座

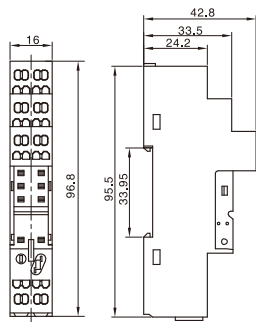


性能参数 / Parameter

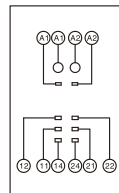
类型/Name	14F继电器插座 / 14F Relay socket		
型号/Type			
外观/Appearance			
Rated current / Rated voltage	12A/300V		
Dielectric strength adjacent contact circuits	2500		
Conductor cross section solid and stranded	min. 0.5mm ² / max. 1.5mm ²	min. 0.5mm ² / max. 2.5mm ²	
Conductor cross section(A.W.G)	min.20/max.16	min.20/max.14	
Stripping length	10mm	7mm	
Screw Thread	Cage Clamp	M3	
Ambient temperature (operation)	-25°C~+85°C		

- ZJ14F 继电器
- ZJ14FW 继电器
- 14F 继电器插座

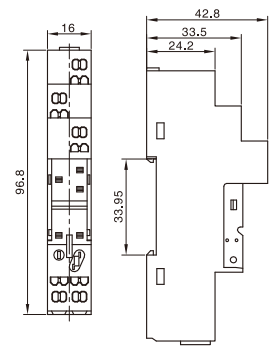
14F-2Z-C5



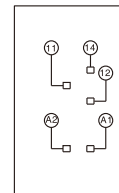
接线图/Wiring Diagram



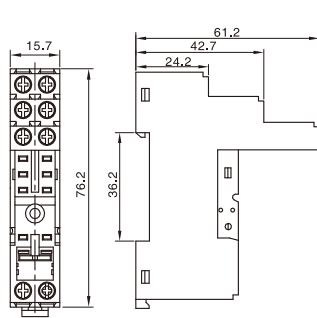
14F-1Z-C5



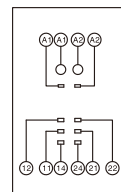
接线图/Wiring Diagram



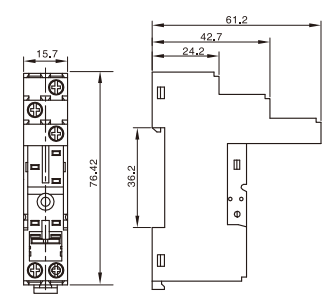
14F-2Z-C4



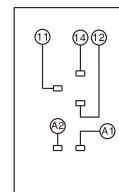
接线图/Wiring Diagram



14F-1Z-C4



接线图/Wiring Diagram



性能参数 / Parameter

类型/Name	14F继电器插座 / 14F Relay socket			
型号/Type	14F-2Z-C3/14F-2Z-C3-N	14F-1Z-C3/14F-1Z-C3-N	14F-2Z-C2	14F-1Z-C2
外观/Appearance				
Rated current / Rated voltage	12A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²			
Conductor cross section(A.W.G)	min.20/max.14			
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25℃~+85℃			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

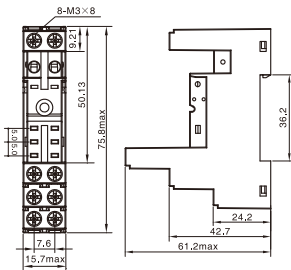
ZJ3F

ZJT90

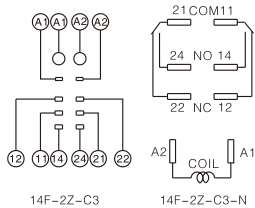
ZJT93

附件

14F-2Z-C3 14F-2Z-C3-N



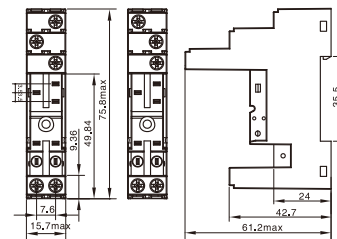
接线图/Wiring Diagram



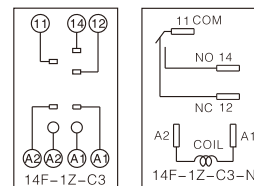
14F-2Z-C3

14F-2Z-C3-N

14F-1Z-C3 14F-1Z-C3-N



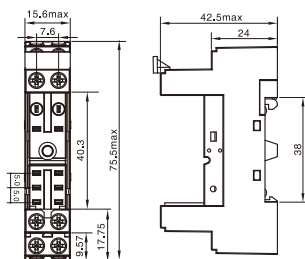
接线图/Wiring Diagram



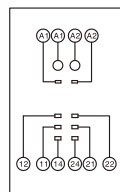
14F-1Z-C3

14F-1Z-C3-N

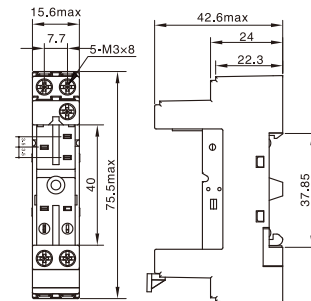
14F-2Z-C2



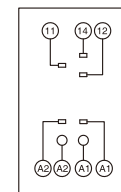
接线图/Wiring Diagram



14F-1Z-C2



接线图/Wiring Diagram



ZJ14F
继电器

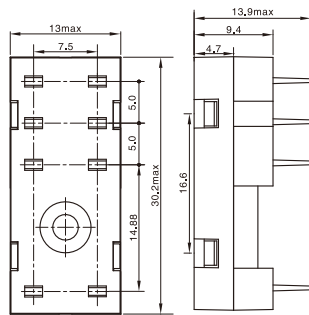
ZJ14FW
继电器

14F
继电器插座

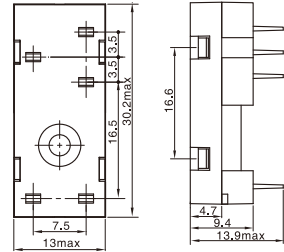
性能参数 / Parameter

类型/Name	14F继电器插座 / 14F Relay socket			
型号/Type	14F-2Z-A1	14F-1Z-A1	14F-2Z-A2	14F-1Z-A2
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	1500			
Conductor cross section solid and stranded				
Conductor cross section(A.W.G)				
Stripping length				
Screw Thread				
Ambient temperature (operation)	-25°C~+85°C			

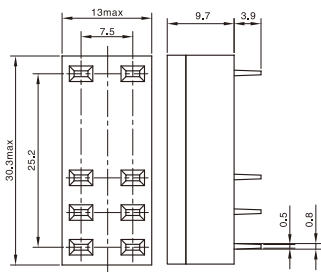
14F-2Z-A1



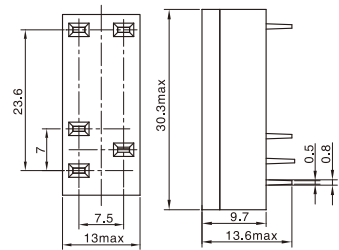
14F-1Z-A1



14F-2Z-A2



14F-1Z-A2



■ 触点参数 / Contact Data

触点形式/Contact arrangement	2P,3P
接触电阻(典型值)/Contact resistance (typical)	100mΩ(1A 24VDC)
触点材料/Contact materials	AgSnO ₂ , AgCdO
触点负载(阻性) Contact load (resistance)	2Z:10A 250VAC/28VDC 3Z(NO):10A 250VAC/28VDC (NC):5A 250VAC/28VDC
最大切换电压/Max. switching voltage	250VAC/28VDC
最大切换电流/Max. switching current	10A
最大切换功率/Max. switching power	2500VAC/280W
机械寿命/ Mechanical endurance	1 × 10 ⁷ 次
电气寿命/ Electrical endurance	1 × 10 ⁵ 次

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	500MΩ(500VDC)	
介质耐压 Dielectric Strength	线圈和触点间 Between coil and contact	1500VAC 1Min
	断开触点间 Between open contacts	1000VAC 1Min
	触点组点间 Between contact sets	1500VAC 1Min
动作时间/Operate time	Max. 30ms	
释放时间/Release time	Max. 30ms	
冲击 Shock resistance	稳定性/Functional	98m/s ²
	强度/Destructive	980m/s ²
振动 /Vibration	10~55Hz 1mm	
湿度 /Humidity	98%RH, +40°C	
温度范围 /Ambient temperature	-40°C~+55°C	
引出端形式 /Termination	标准电子管管脚式 Octal and undecal type plug	
重量 /Weight	约100g	
封装方式 /Construction	防尘罩型/Dust protected	

■ 线圈参数 / Coil

额定线圈功率 /Coil power	AC: 1.5W; DC: 2.4VA
--------------------	---------------------

■ 线圈规格 / Coil Data(23°C)

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.8	≥0.60	23.5 ± 10%
12	≤9.6	≥1.20	95 ± 10%
24	≤19.2	≥2.40	430 ± 10%
48	≤38.4	≥4.80	1630 ± 10%
110	≤80.0	≥10.0	6800 ± 10%
110	≤88.0	≥11.0	7300 ± 10%

额定电压(VAC) Rated voltage	动作电压(VAC) Pick-up voltage	释放电压(VAC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.80	≥1.80	3.9 ± 10%
12	≤9.60	≥3.60	16.9 ± 10%
24	≤19.20	≥7.20	70 ± 10%
48	≤38.4	≥14.4	315 ± 10%
100/110	≤80.0	≥30.0	1500 ± 10%
200/220	≤160.0	≥60.0	6200 ± 10%
220/240	≤176.0	≥66.0	7100 ± 10%

ZJ10F小型大功率继电器 Miniature High Power Relay



■ 特性 / Features

- 10A触点切换能力
- 电气寿命不小于10万次
- 具有两组转换、三组转换触点形式
- 标准电子管插脚
- 备有匹配插座可供选用
- 可提供环保产品 (符合RoHS)
- 外形尺寸: 35.0 × 35.0 × 53.0mm
- 10 A contact switch
- Long endurance
- Industry standard 8 or 11 round terminals
- Sockets available
- Environmental firendly product (RoHS compliant)
- Outline Dimensions: (35.0x35.0x55.0)mm

公司电子样本浏览手机网站

www.wzjh.cc

了解公司最新动态及相关信息与成功应用情况



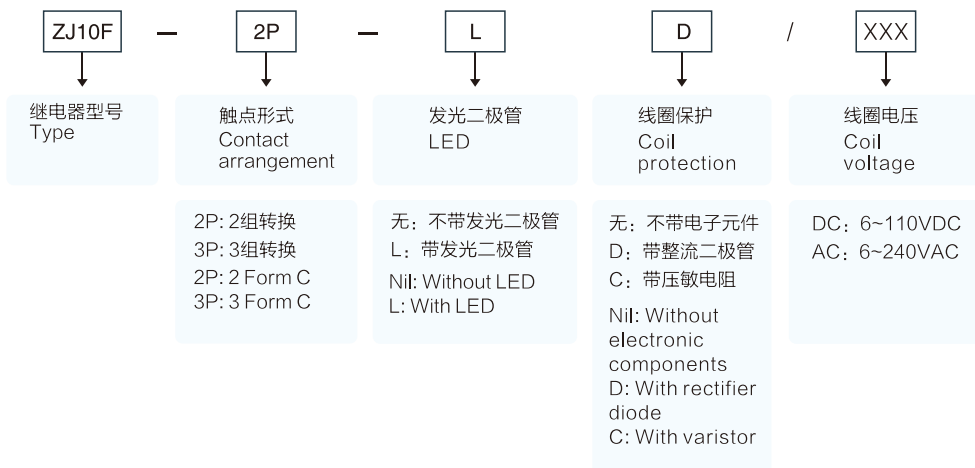
微信二维码

www.wzjh.cc

扫一扫, 更精彩……



型号说明 / Ordering Information



外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

ZJ10F

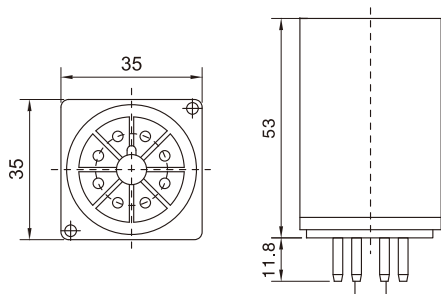
继电器

10F

继电器插座

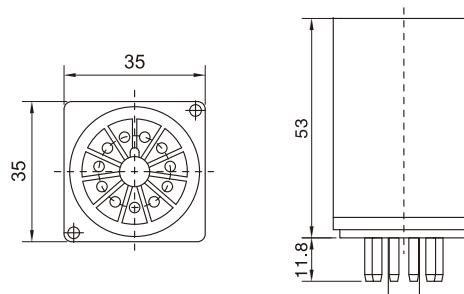
□ ZJ10F-2P 二组转换 /2 Form C

外形图 / Dimensions



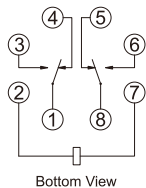
□ ZJ13F-3P 三组转换 /3 Form C

外形图 / Dimensions

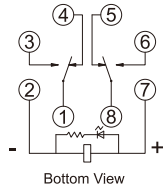


接线图(底视图) /Wiring Diagram(Bottom view)

二组转换
2 Form C

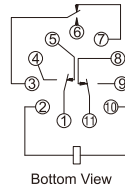


二组转换 (带发光二极管)
2 Form C (With LED)

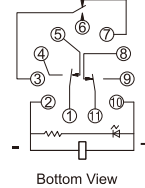


接线图(底视图)/Wiring Diagram(Bottom view)

三组转换
3 Form C



三组转换 (带发光二极管)
3 Form C (With LED)



交流带发光二极管产品无正负极之分

Remark: For AC parts with diode, the positive and negative pole markings on wiring diagram are not applicable.

备注: 可按客户特殊要求做成其它接线形式



性能参数 / Parameter

类型/Name	10F继电器插座 / 10F Relay socket			
型号/Type	10F-3Z-C5	10F-2Z-C5	10F-3Z-C4	10F-2Z-C4
外观/Appearance				
Rated current / Rated voltage	12A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²			
Conductor cross section(A.W.G)	min.20/max.14			
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25℃~+85℃			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

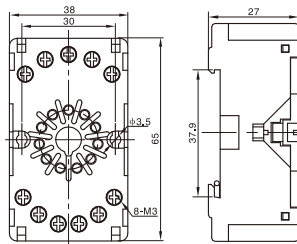
ZJ10F

继电器

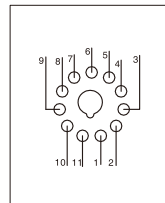
10F

继电器插座

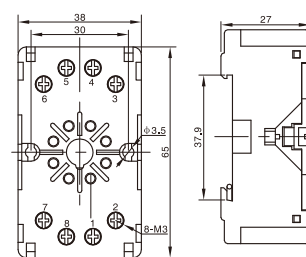
10F-3Z-C5



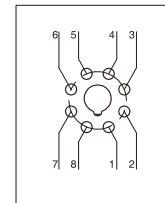
接线图/Wiring Diagram



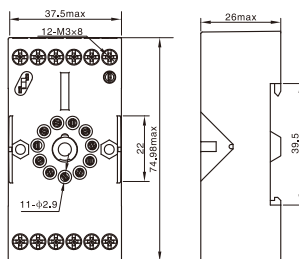
10F-2Z-C5



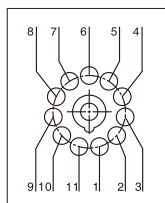
接线图/Wiring Diagram



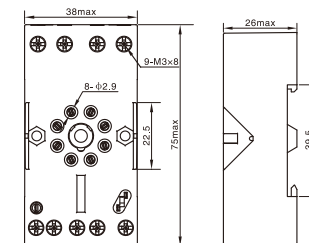
10F-3Z-C4



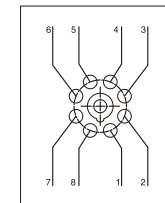
接线图/Wiring Diagram



10F-2Z-C4



接线图/Wiring Diagram

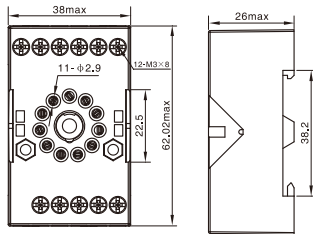


性能参数 / Parameter

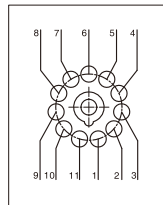
类型/Name	10F继电器插座 / 10F Relay socket			
型号/Type	10F-3Z-C3	10F-2Z-C3	10F-3Z-C2	10F-2Z-C2
外观/Appearance				
Rated current / Rated voltage	12A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²			
Conductor cross section(A.W.G)	min.20/max.14			
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

ZJ10F
继电器
10F
继电器插座

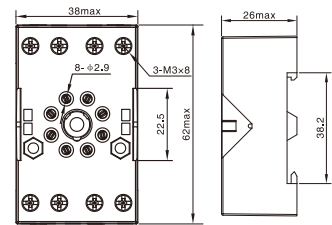
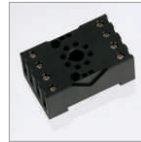
10F-3Z-C3



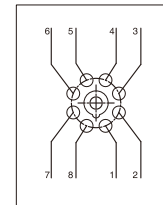
接线图/Wiring Diagram



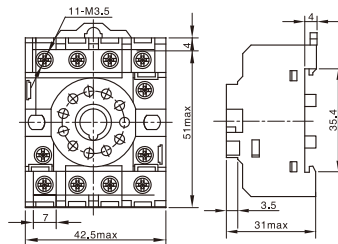
10F-2Z-C3



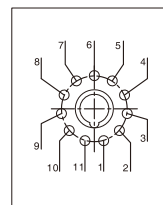
接线图/Wiring Diagram



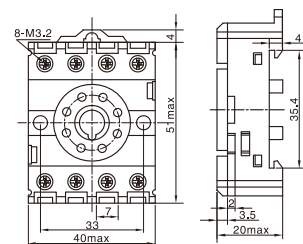
10F-3Z-C2



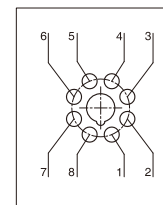
接线图/Wiring Diagram



10F-2Z-C2



接线图/Wiring Diagram



性能参数 / Parameter

类型/Name	10F继电器插座 / 10F Relay socket			
型号/Type	10F-3Z-C1	10F-2Z-C1	10F-3Z-A	10F-2Z-A
外观/Appearance				
Rated current / Rated voltage	10A/300V			
Dielectric strength adjacent contact circuits	2500			
Conductor cross section solid and stranded	1.5mm ²			
Conductor cross section(A.W.G)	16			
Stripping length				
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

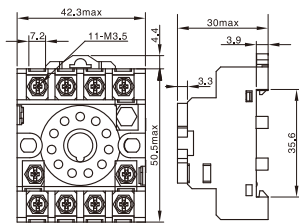
ZJ10F

继电器

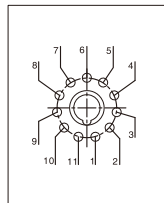
10F

继电器插座

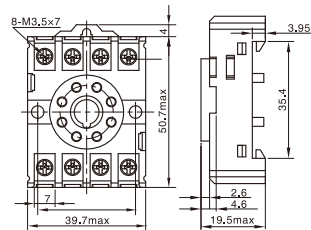
10F-3Z-C1



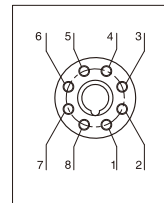
接线图/Wiring Diagram



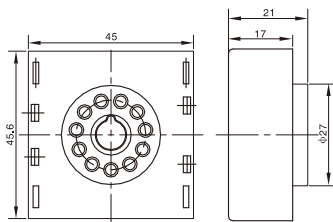
10F-2Z-C1



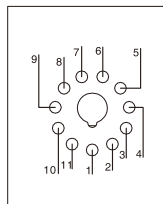
接线图/Wiring Diagram



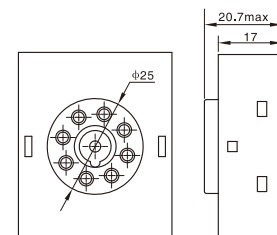
10F-3Z-A



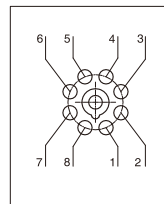
接线图/Wiring Diagram



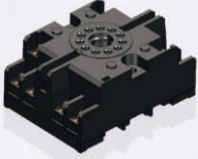



10F-2Z-A



接线图/Wiring Diagram

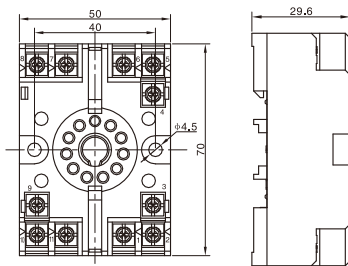


性能参数 / Parameter

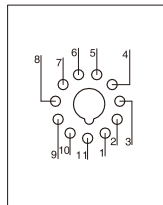
类型/Name	P2C&166F			
型号/Type	P2CF11	P2CF08	166F-2Z-C1	166F-3Z-C1
外观/Appearance				
Rated current / Rated voltage	12A/300V	10A/300V	25A/300VAC	20A/300VAC
Dielectric strength adjacent contact circuits	2500	2500	2500	2500
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²	1.5mm ²	1.5mm ²	1.5mm ²
Conductor cross section(A.W.G)	min.20/max.14	16	16	16
Stripping length	7mm			
Screw Thread	M3			
Ambient temperature (operation)	-25°C~+85°C			

P2C&166F
继电器插座

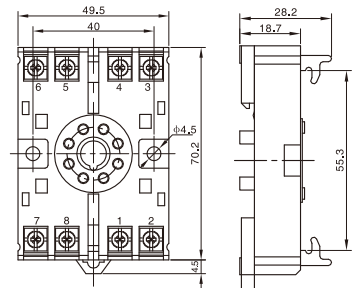
P2CF11



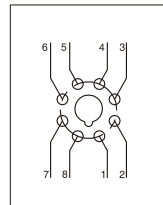
接线图/Wiring Diagram



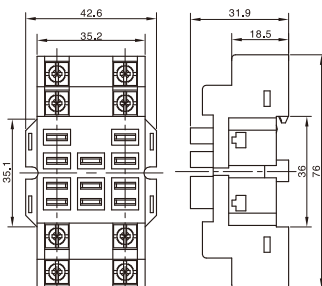
P2CF08



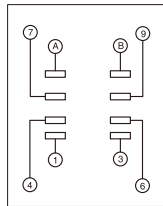
接线图/Wiring Diagram



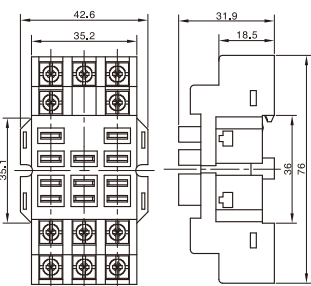
166F-2Z-C1



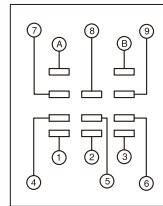
接线图/Wiring Diagram



166F-3Z-C1



接线图/Wiring Diagram



■ 触点参数 / Contact Data

触点形式/Contact arrangement	2P
接触电阻(典型值)/Contact resistance (typical)	100mΩ(1A 6VDC)
触点材料/Contact materials	AgSnO, AgCdO
触点负载(阻性)/Contact load (resistance)	10A 250VAC/ 30VDC
最大切换电压/Max. switching voltage	250VAC/30VDC
最大切换电流/Max. switching current	10A
最大切换功率/Max. switching power	2500VAC/ 300W
机械寿命/Mechanical endurance	1 × 10 ⁷ 次
电气寿命/Electrical endurance	1 × 10 ⁵ 次

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	500MΩ(500VDC)	
介电耐压 Dielectric Strength	线圈和触点间 Between coil and contact	1500VAC 1Min
	断开触点间 Between open contacts	1000VAC 1Min
	触点组点间 Between contact sets	1500VAC 1Min
动作时间/Operate time	25ms	
释放时间/Release time	25ms	
冲击 Shock resistance	稳定性/Functional	100m/s ²
	强度/Destructive	1000m/s ²
振动 /Vibration	10~55Hz 1mm	
湿度 /Humidity	98%RH, +40°C	
温度范围 /Ambient temperature	-40°C~+55°C	
引出端形式 /Termination	印制板式、插入式 PCB, plug-in	
重量 /Weight	37g	
封装方式 /Construction	防尘罩型/Dust protected	

■ 线圈参数 / Coil

额定线圈功率 /Coil power	AC: 900mW; DC: 1.2VA
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■ 线圈规格 / Coil Data(23°C)

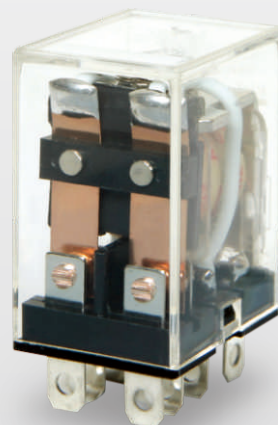
额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.8	≥0.6	40 ± 10%
12	≤9.6	≥1.2	160 ± 10%
24	≤19.2	≥2.4	650 ± 10%
48	≤38.4	≥4.8	2600 ± 10%
110	≤88.0	≥11.0	11000 ± 10%

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
6	≤4.80	≥1.8	12.0 ± 10%
12	≤9.60	≥3.6	46 ± 10%
24	≤19.20	≥7.2	180 ± 10%
36	≤28.8	≥10.8	450 ± 10%
48	≤38.4	≥14.4	780 ± 10%
100/110	≤80.0	≥30.0	3750 ± 10%
200/220	≤160.0	≥60.0	12950 ± 10%
220/240	≤176.0	≥72.0	18790 ± 10%

■ 安全认证 / Safety Approval ratings

UL&CUR	1Z:15A 250VAC/30VDC 2Z:10A 250VAC/30VDC
TUV	1Z:15A 250VAC/30VDC 2Z:10A 250VAC/30VDC

ZJ13F 大功率继电器 Miniature High Power Relay



■ 特性 / Features

- 15A触点切换能力
- 多种类型继电器, 包括内置发光二极管
- 具有一组、二组触点形式
- 多种引出端形式
- 透明防尘罩型、多种安装方式、备有各种插座供选用
- 可提供环保产品(符合RoHS)
- 外形尺寸: 28.0 × 21.3 × 35.2mm
- 15A Switching capability
- Various terminals available
- Sockets available
- Conform to the CE low voltage directive
- 1 & 2 pole configurations
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (28.0x21.3x35.2)mm

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型号说明 / Ordering Information

ZJ13F	2P	L	D	1	XXX
继电器型号 Type	触点形式 Contact arrangement	发光二极管 LED	线圈保护 Coil protection	安装方式 Mounting Termination	线圈电压 Coil voltage
	1P: 一组转换 2P: 两组转换 1P: 1 Form C 2P: 2 Form C	无: 不带发光二极管 L: 带发光二极管 Nil: Without LED L: With LED	无: 不带电子元件 D: 带整流二极管 C: 带压敏电阻 Nil: Without electronic components D: With rectifier diode C: With varistor	无: 插座式安装 1: 印制板安装 2: 法兰盘安装 (见下图) Nil: Socket 1: PCB 2: Flange-Mounting (See the following)	DC: 5~110VDC AC: 6~240VAC

外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

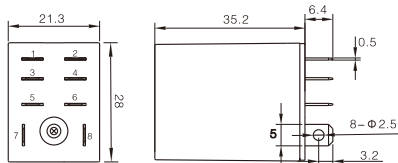
ZJ13F

继电器

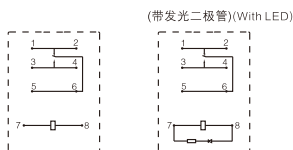
13F
继电器插座

□ ZJ13F-1P

外形图 / Dimensions

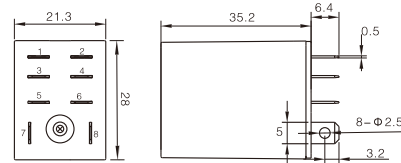


接线图 / Wiring Diagram

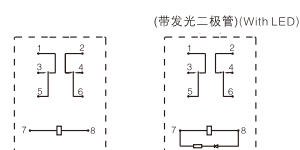


□ ZJ13F-2P

外形图 / Dimensions

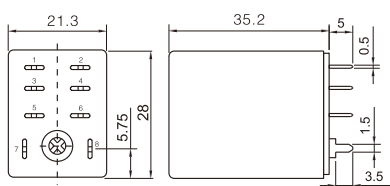


接线图 / Wiring Diagram

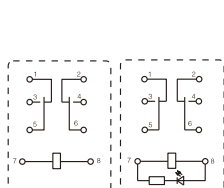


□ ZJ13F-2P1

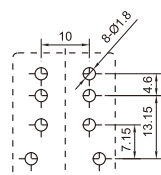
外形图 / Dimensions



接线图 / Wiring Diagram

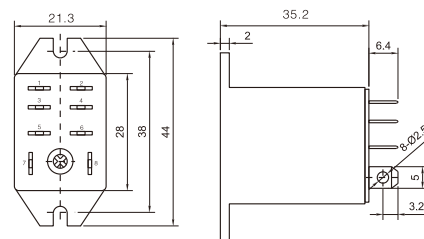


安装孔尺寸(底视图)
PCB Layout (Bottom view)

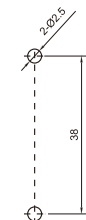


□ ZJ13F-2P2




外形图 / Dimensions



安装孔尺寸/PCB Layout



性能参数 / Parameter

类型/Name	13F继电器插座 / 13F Relay socket		
型号/Type	13F-2Z-C4	13F-2Z-C3	13F-2Z-C2
外观/Appearance			
Rated current / Rated voltage	12A/300V		
Dielectric strength adjacent contact circuits	2500		
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²		
Conductor cross section(A.W.G)	min.20/max.14		
Stripping length	7mm		
Screw Thread	M3		
Ambient temperature (operation)	-25℃~+85℃		

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

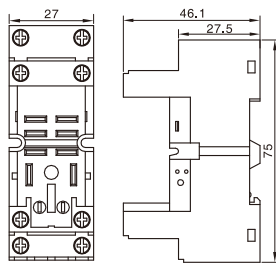
ZJ13F

继电器

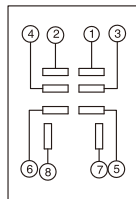
13F

继电器插座

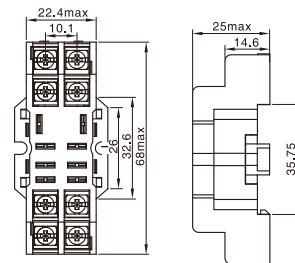
13F-2Z-C4



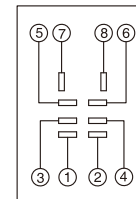
接线图/Wiring Diagram



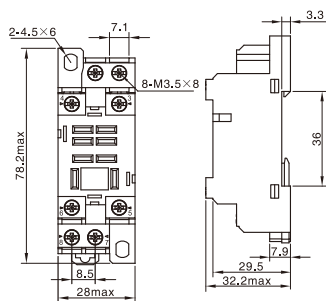
13F-2Z-C3



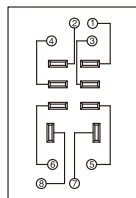
接线图/Wiring Diagram






13F-2Z-C2



接线图/Wiring Diagram

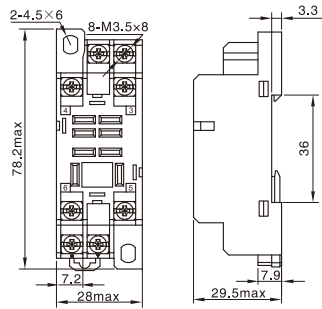


性能参数 / Parameter

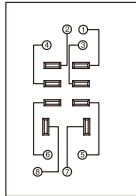
类型/Name	13F继电器插座 / 13F Relay socket		
型号/Type	13F-2Z-C1	13F-4Z-C1	13F-2Z-B
外观/Appearance			
Rated current / Rated voltage	12A/300V		
Dielectric strength adjacent contact circuits	2500		
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²		
Conductor cross section(A.W.G)	min.20/max.14		
Stripping length	7mm		
Screw Thread	M3		
Ambient temperature (operation)	-25℃~+85℃		

ZJ13F
继电器
13F
继电器插座

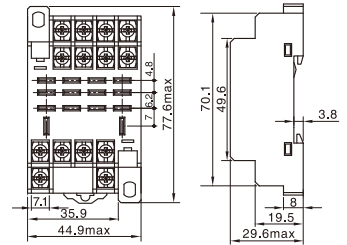
13F-2Z-C1



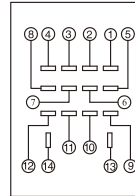
接线图/Wiring Diagram



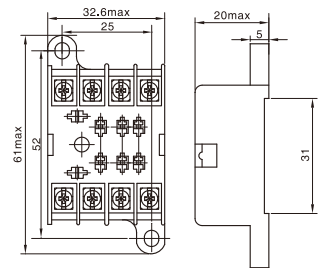
13F-4Z-C1



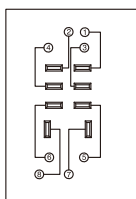
接线图/Wiring Diagram



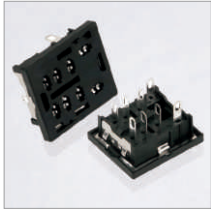

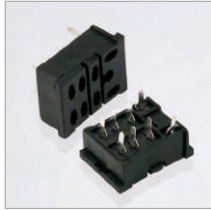
13F-2Z-B



接线图/Wiring Diagram



性能参数 / Parameter

类型/Name	13F继电器插座 / 13F Relay socket		
型号/Type	13F-2Z-A	13F-2Z-A1	13F-2Z-A2
外观/Appearance			
Rated current / Rated voltage	10A/300V		
Dielectric strength adjacent contact circuits	1500		
Conductor cross section solid and stranded			
Conductor cross section(A.W.G)			
Stripping length			
Screw Thread			
Ambient temperature (operation)	-25℃~+85℃		

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

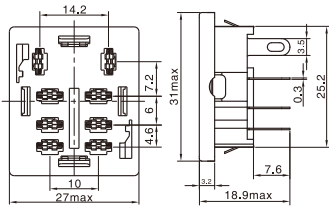
ZJ13F

继电器

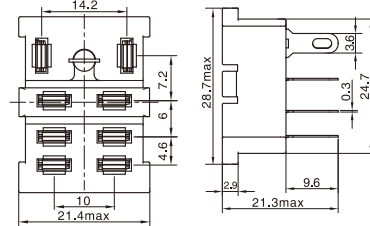
13F

继电器插座

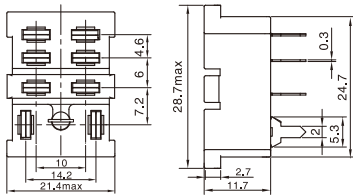
13F-2Z-A





13F-2Z-A1



13F-2Z-A2



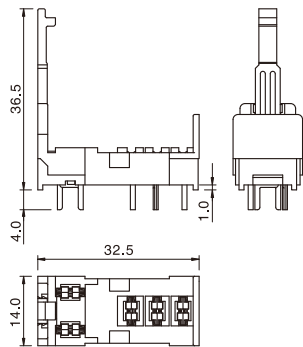
性能参数 / Parameter

类型/Name	157F继电器插座 / 157F Relay socket	
型号/Type	157F-1Z-A1	157F-2Z-A1
外观/Appearance		
Rated current / Rated voltage	10A/300V	
Dielectric strength adjacent contact circuits	2500	
Conductor cross section solid and stranded	1.5mm ²	
Conductor cross section(A.W.G)	16	
Screw Thread	M3	
Ambient temperature (operation)	-25°C~+85°C	

157F-1Z-A1



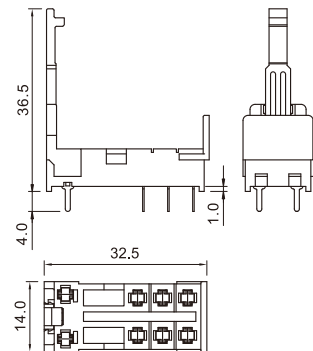
CE





157F-2Z-A1



CE

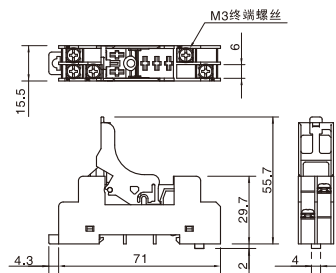


类型/Name	157F继电器插座 / 157F Relay socket	
型号/Type	157F-1Z-C1	157F-2Z-C1
外观/Appearance		
Rated current / Rated voltage	10A/300V	
Dielectric strength adjacent contact circuits	2500	
Conductor cross section solid and stranded	1.5mm ²	
Conductor cross section(A.W.G)	16	
Screw Thread	M3	
Ambient temperature (operation)	-25°C~+85°C	

157F-1Z-C1



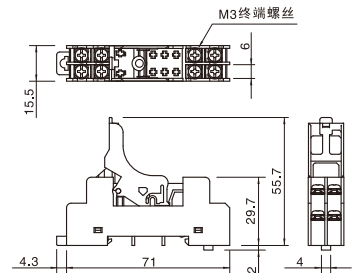
CE



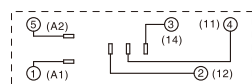
157F-2Z-C1



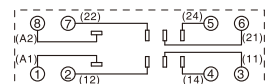
CE



接线图/Wiring Diagram



接线图/Wiring Diagram



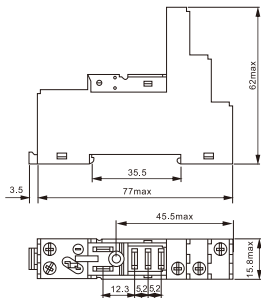
性能参数 / Parameter

类型/Name	157F继电器插座 / 157F Relay socket	
型号/Type	157F-1Z-C3	157F-2Z-C3
Rated current / Rated voltage	12A/300V	
Dielectric strength adjacent contact circuits	2500	
Conductor cross section solid and stranded	min. 0.5mm ² / max. 2.5mm ²	
Conductor cross section(A.W.G)	min.20/max. 14	
Stripping length	7mm	
Screw Thread	M3	
Ambient temperature (operation)	-25℃~+85℃	

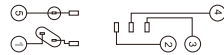
157F-1Z-C3



CE



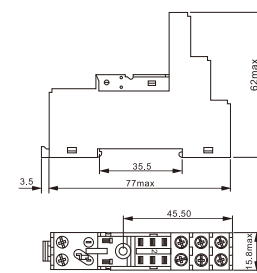
接线图/Wiring Diagram



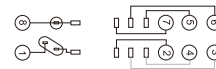
157F-2Z-C3


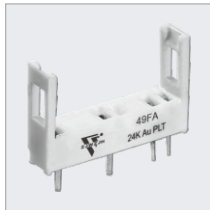


CE



接线图/Wiring Diagram

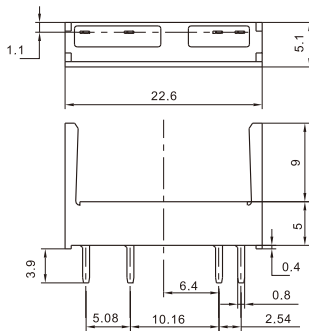


类型/Name	继电器插座 / Relay socket	
型号/Type	49F	49FA
外观/Appearance		
环境温度/Air temperature	-45℃~70℃	
额定电流/Rated current	7A	
额定电压/Rated voltage	250VAC	
介质耐压/Medium pressure	2000VAC (输入输出间)	
适用继电器型号 / For relay	HF49F	HF49FA

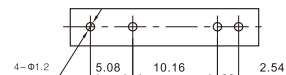
49F



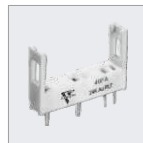
CE



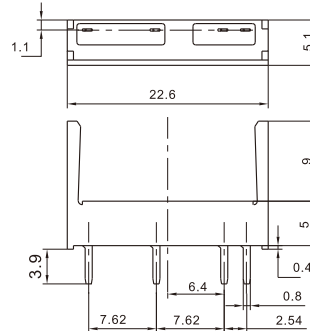
接线图/Wiring Diagram



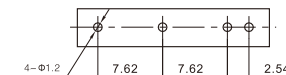
49FA



CE



接线图/Wiring Diagram



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

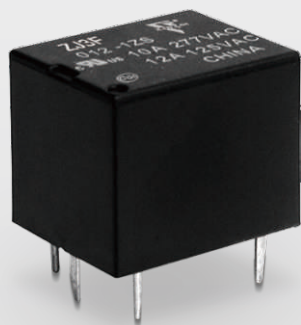
附件

157F/49F

继电器插座

ZJ3F超小型大功率继电器

Subminiature high-power relay



■ 特性 / Features

- 10A触点切换能力
 - 具有一组常开、一组转换触点形式
 - 超小型、标准印制板引出脚
 - 塑封型和防焊剂型可供选择
 - 环保产品（符合RoHS）
 - 外形尺寸：19.0×15.2×15.5mm
-
- 10A Switching capability
 - 1 Form A and 1Form C configurations
 - Subminiature, standard PCB layout
 - Plastic sealed and Flux proofed types available
 - UL insulation system: Class F
 - Environmental friendly product (RoHS compliant)
 - Outline Dimensions: (19.0x15.2x15.5)mm

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■ 触点参数 / Contact Data

触点形式/Contact arrangement	NH	CNH
接触电阻(典型值)/Contact resistance (typical)	100mΩ(1A 6VDC)	
触点材料/Contact materials	AgSnO ₂ , AgCdO	
触点负载(阻性)/Contact load (resistance)	10A 240VAC/24VDC	
最大切换电压/Max. switching voltage	240VAC/24VDC	
最大切换电流/Max. switching current	12A	10A
最大切换功率/Max. switching power	2500VA/210W	
机械寿命/Mechanical endurance	1 × 10 ⁷ 次	
电气寿命/Electrical endurance	1 × 10 ⁵ 次(常开触点, 7A 240VAC) 5 × 10 ⁴ 次(常开触点, 10A 240VAC)	

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	100MΩ(500VDC)
介质耐压 Dielectric Strength	线圈和触点间 Between coil and contact 1500VAC 1Min 断开触点间 Between open contacts 750VAC 1Min
动作时间(额定电压下)/Operate time	≤10ms
释放时间(额定电压下)/Release time	≤5ms
冲击 Shock resistance	稳定性/Functional 98m/s ² 强度/Destructive 980m/s ²
振动 /Vibration	10~55Hz 1.5mm 双振幅
湿度 /Humidity	35%~85%RH
温度范围 /Ambient temperature	-40℃~+70℃
引出端形式 /Termination	印制板式/PCB
重量 /Weight	约10g
封装方式 /Construction	塑封型、防焊剂型 Plastic sealed, Flux proofed

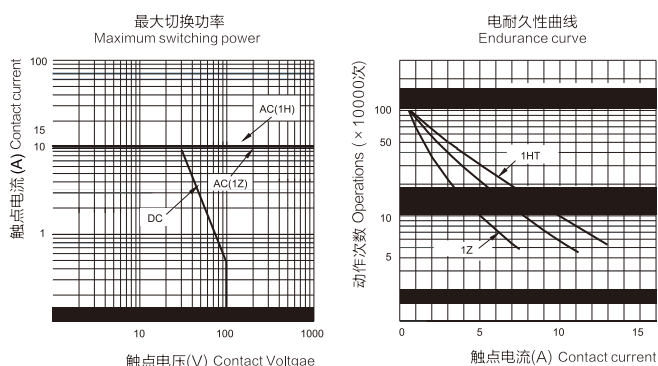
■ 线圈参数 / Coil

额定线圈功率 /Coil power	5VDC~24VDC:360mW; 48VDC:510mW
--------------------	-------------------------------

■ 线圈规格 / Coil Data(23℃)

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	线圈电阻(Ω) Coil resistance
3	2.30	0.3	25 × (1 ± 10%)
5	3.80	0.5	70 × (1 ± 10%)
6	4.50	0.6	100 × (1 ± 10%)
9	6.80	0.9	225 × (1 ± 10%)
12	9.00	1.2	400 × (1 ± 10%)
24	18.0	2.4	1600 × (1 ± 10%)
48	36.0	4.8	6400 × (1 ± 10%)

■ 性能曲线图 / Characteristic curve



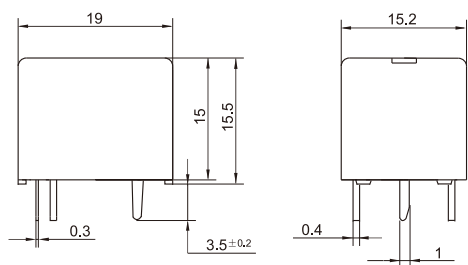
型号说明 / Ordering Information

ZJ3F	-	CNH	/	012		S		T
继电器型号 Type		触点形式 Contact arrangement		线圈电压 Coil voltage		封装方式 Construction		触点材料 Contact material
		NH: 一组常开 CNH: 一组转换 NH: 1 Form A CNH: 1 Form C		3, 5, 6, 9, 12, 24, 48VDC		S: 塑封型 无: 防焊剂型 S: Plastic sealed Nil: Flux proofed		T: AgSnO ₂ 无: AgCdO

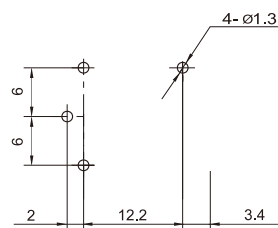
外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

□ ZJ3F-NH 一组常开 / 1 Form A

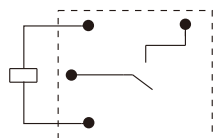
外形图 / Dimensions



安装孔尺寸(底视图) / PCB Layout (Bottom view)

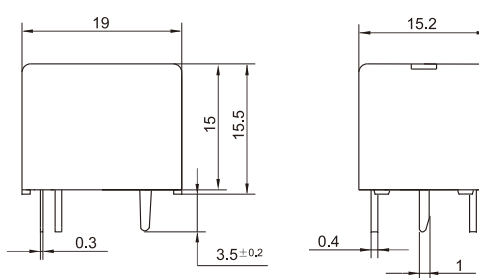


接线图(底视图) / Wiring Diagram (Bottom view)

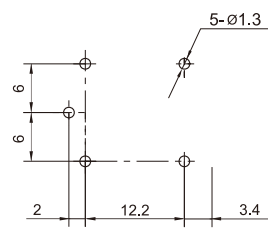


□ ZJ3F-CNH 一组转换 / 1 Form C

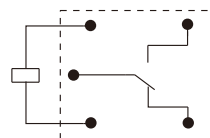
外形图 / Dimensions



安装孔尺寸(底视图) / PCB Layout (Bottom view)



接线图(底视图) / Wiring Diagram (Bottom view)



备注: (1)产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $(1\sim 5)\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$, 公差为 $\pm 0.4\text{mm}$.
(2)安装孔尺寸中未注尺寸公差为 $\pm 0.1\text{mm}$.

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

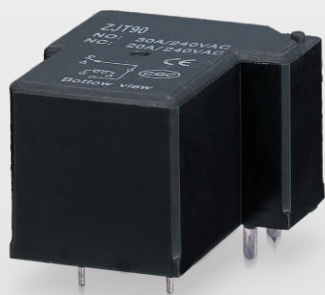
附件

ZJ3F

继电器

ZJT90 小型大功率继电器

Miniature High Power Relay



■ 特性 / Features

- 40A触点切换能力
- 触点与线圈间介质耐压2.5kV、T型为4kV
- F级线圈绝缘等级
- 敞开型、塑封型和防尘罩型可供选择
- 环保产品（符合RoHS）
- 外形尺寸：32.2×27.0×20.1mm

- 40 A switching capability
- 4kV dielectric strength (between coil and contacts)
- Heavy load up to 7200VA
- PCB coil terminals, ideal for heavy duty load
- Unenclosed, Plastic sealed and dust protected types available
- UL insulation system: class F available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (32.2x27.0x20.1)mm

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■ 触点参数 / Contact Data

触点形式 Contact arrangement	A	B	C(NO)	C(NC)
接触电阻 Contact resistance	50mΩ(1A 24VDC)			
触点材料 Contact materials	AgSnO ₂ , AgCdO			
最大切换功率 Max. switching power	7200VA/560W	3600VA/280W	4800VA/560W	2400VA/280W
最大切换电压 Max. switching voltage	277VAC/28VDC			
最大切换电流 Max. switching current	40A	15A	20A	10A
额定负载 Contact load	30A 240VAC 20A 28VDC	15A 240VAC 10A 28VDC	20A 240VAC 20A 28VDC	10A 240VAC 10A 28VDC
	25A 240VAC 20A 28VDC	15A 240VAC 10A 28VDC	20A 240VAC 20A 28VDC	10A 240VAC 10A 28VDC
机械耐久性 Mechanical endurance	1×10 ⁷ 次			
电耐久性 Electrical endurance	1×10 ⁵ 次(1)(详见安全认证报告)			

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	1000MΩ(500VDC)	
介质耐压 Dielectric Strength	线圈和触点间 Between coil and contact	2500VAC/4000VAC 1Min
	断开触点间 Between open contacts	1500VAC 1Min
动作时间/Operate time	≤15ms	
释放时间/Release time	≤10ms	
冲击 Shock resistance	稳定性/Functional	98m/s ²
	强度/Destructive	980m/s ²
振动/Vibration	10~55Hz 1.5mm 双振幅	
湿度/Humidity	98%RH, 40℃	
温度范围/Ambient temperature	DC:-55℃~+70℃; AC:-55℃~+60℃	
引出端形式/Termination	印制板式/PCB	
重量/Weight	约36g	
封装方式/Construction	敞开型、塑封型、防尘罩型 Unenclosed, Plastic sealed, Dust protected	

备注：1、典型负载及电耐久性：30A 240VAC，阻性，常温，20万次，常开触点，焊接清洗后打开透气孔；
2、上述值均为初始值；
3、线圈温升详见性能曲线图。

■ 线圈参数 / Coil

额定线圈功率 /Coil power	DC: 约900mW
--------------------	------------

■ 安全认证 / Safety Approval ratings

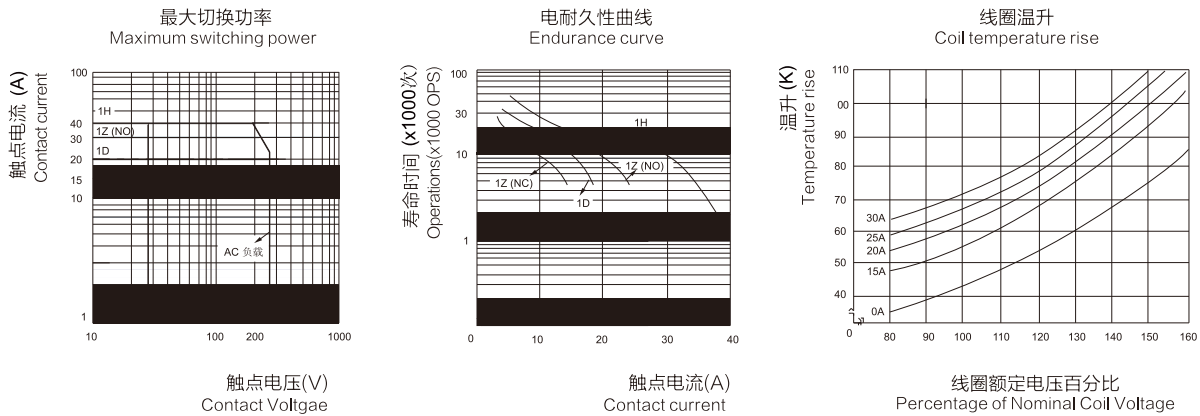
UL/ CUL	A	AgSnO ₂ AgCdO	30A 240VAC
		AgCdO	30A 30VAC
	B	AgCdO	15A 240VAC 10A 30VDC
		NO	AgSnO ₂ AgCdO
	C		AgCdO
		NC	AgSnO ₂ AgCdO
AgCdO			10A 240VAC 10A 30VDC

备注：以上仅列出了该产品认证的部分典型负载，如需详细了解情况，请与我司联系。

线圈规格 / Coil Data(23°C)

额定电压(VDC) Rated voltage	动作电压(VDC) Pick-up voltage	释放电压(VDC) Drop-out voltage	最大电压(VDC) Max. voltage	线圈电阻(Ω) Coil resistance
3	≤2.25	≥0.3	3.9	10 × (1 ± 10%)
5	≤3.75	≥0.5	6.5	27 × (1 ± 10%)
6	≤4.50	≥0.6	7.8	40 × (1 ± 10%)
9	≤6.75	≥0.9	11.7	97 × (1 ± 10%)
12	≤9.00	≥1.2	15.6	155 × (1 ± 10%)
15	≤11.25	≥1.5	19.5	256 × (1 ± 10%)
18	≤13.50	≥1.8	23.4	380 × (1 ± 10%)
24	≤18.00	≥2.4	31.2	660 × (1 ± 10%)
48	≤36.00	≥4.8	62.4	2560 × (1 ± 10%)
110	≤82.50	≥11	143	13450 × (1 ± 10%)

性能曲线图 / Characteristic curve



ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

ZJT90

继电器

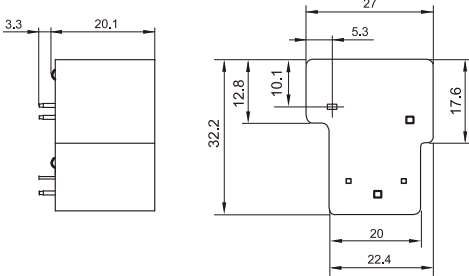
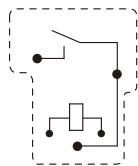
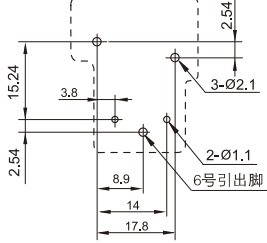
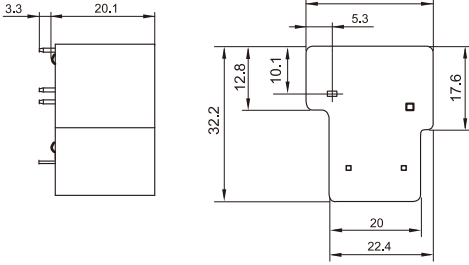
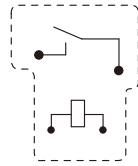
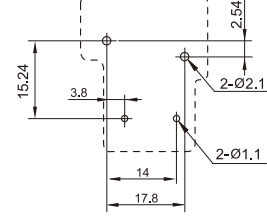
型号说明 / Ordering Information

ZJT90	A	K	S	W	/	DC003	T
继电器型号 Type	触点形式 Contact arrangement	触点电流 Contact Current	封装方式 Construction	引出端形式 Termination		线圈电压 Coil voltage	触点材料 Contact material
	A: 一组常开 B: 一组常闭 C: 一组转换 A: 1 Form A B: 1 Form B C: 1 Form C	无: 30A(NO) 20A(NC) K: 40A(NO) 30A(NC)	S: 塑封型 无: 防尘罩型或 敞开型 S: Plastic sealed Nil: Dust protected Unenclosed	W: 有6号 引出脚 无: 有6号 引出脚 W: With Pin No.6 Nil: Without Pin No.6		3, 5, 6, 9, 12, 15, 18, 24, 48, 110VDC	T: AgSnO ₂ Nil: AgCdO

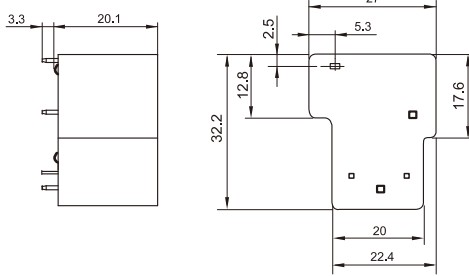
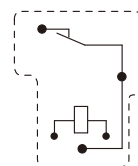
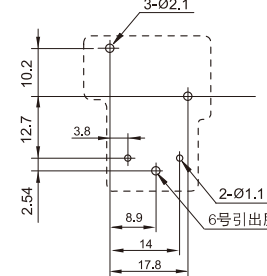
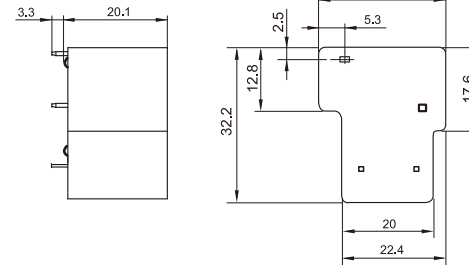
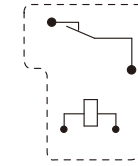
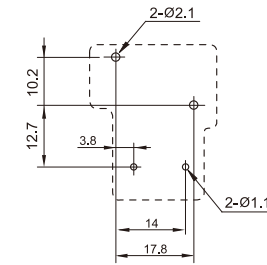


外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

□ ZJT90—组常开 /1 Form A

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
<p>包含6号引出脚 /With Pin No.6</p> 		
<p>不包含6号引出脚 /Without Pin No.6</p> 		

□ ZJT90—组常闭 /1 Form B

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
<p>包含6号引出脚 /With Pin No.6</p> 		
<p>不包含6号引出脚 /Without Pin No.6</p> 		

外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

□ ZJT90—组转换 /1 Form C

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
<p>包含6号引出脚 /With Pin No.6</p>		
<p>不包含6号引出脚 /Without Pin No.6</p>		

□ ZJT90—组常开 /1 Form A

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
<p>包含6号引出脚 /With Pin No.6</p>		
<p>不包含6号引出脚 /Without Pin No.6</p>		

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

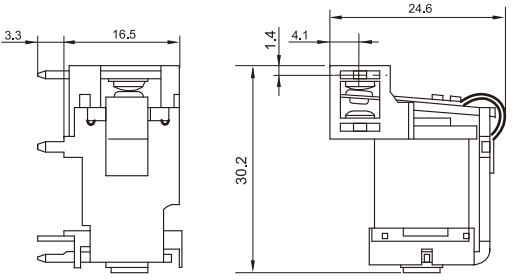
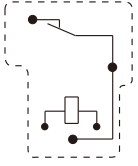
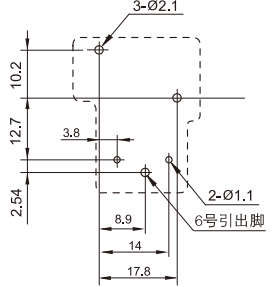
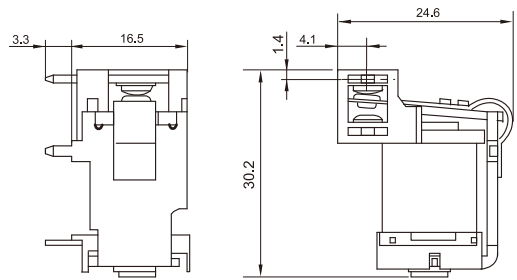
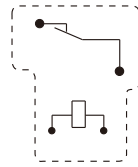
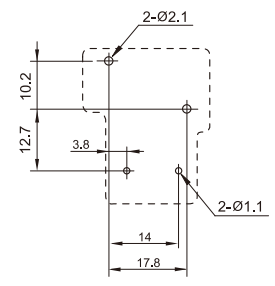
ZJT93

附件

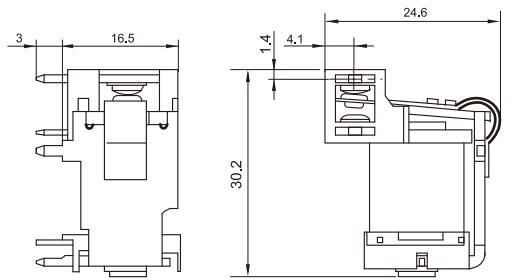
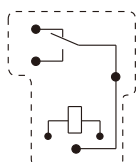
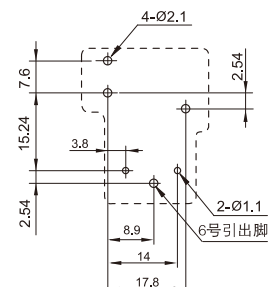
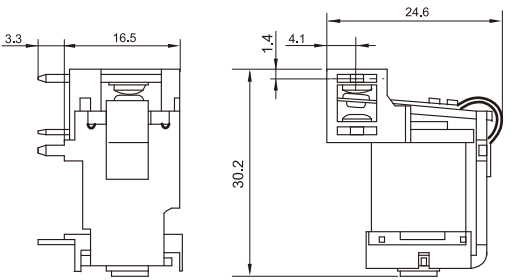
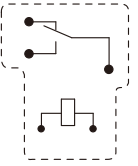
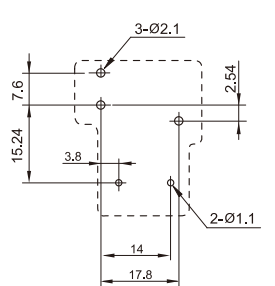
ZJT90

继电器

□ ZJT90—组常闭 /1 Form B

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
包含6号引出脚 /With Pin No.6 		
不包含6号引出脚 /Without Pin No.6 		

□ ZJT90—组转换 /1 Form C

外形图 / Dimensions	安装孔尺寸(底视图) PCB Layout (Bottom view)	接线图(底视图) Wiring Diagram(Bottom view)
包含6号引出脚 /With Pin No.6 		
不包含6号引出脚 /Without Pin No.6 		

备注: (1)产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $(1\sim 5)\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$, 公差为 $\pm 0.4\text{mm}$ 。
 (2)安装孔尺寸中未注尺寸公差为 $\pm 0.1\text{mm}$ 。

■ 触点参数 / Contact Data

触点形式 Contact arrangement	A	B	C(NO)	C(NC)
接触电阻 Contact resistance	50mΩ(1A 24VDC)			
触点材料 Contact materials	AgCdO			
最大切换功率 Max. switching power	7200VA/560W	3600VA/280W	4800VA/560W	2400VA/280W
最大切换电压 Max. switching voltage	277VAC/30VDC			
最大切换电流 Max. switching current	40A	15A	20A	10A
额定负载(阻性) Contact load(resistive)	30A 240VAC 20A 30VDC	15A 240VAC 10A 30VDC	20A 240VAC 20A 30VDC	10A 240VAC 10A 30VDC
机械耐久性 Mechanical endurance	1 × 10 ⁷ 次			
电耐久性 Electrical endurance	1 × 10 ⁶ 次			

■ 性能参数 / Characteristics

绝缘电阻/Insulation resistance	1000MΩ(500VDC)	
介质耐压 Dielectric Strength	线圈和触点间 Between coil and contact	2500VAC 1Min
	断开触点间 Between open contacts	1500VAC 1Min
动作时间(额定电压下)/Operate time	≤ 15ms	
释放时间(额定电压下)/Release time	≤ 10ms	
冲击 Shock resistance	稳定性/Functional	98m/s ² (10g)
	强度/Destructive	980m/s ² (100g)
振动/Vibration	10~55Hz 1.5mm 双振幅	
湿度/Humidity	98%RH, 40℃	
温度范围/Ambient temperature	-55℃~+85℃	
引出端形式/Termination	印制板式和快速连接式 PCB & QC	
重量/Weight	约85g	
封装方式/Construction	塑封型、防尘罩型 Plastic sealed, Dust protected	

■ 线圈参数 / Coil

额定线圈功率/Coil power	DC: 约900mW
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■ 线圈规格 / Coil Data(23℃)

额定电压 (VAC) Rated voltage	动作电压 (VAC) Pick-up voltage	释放电压 (VAC) Drop-out voltage	最大电压 (VDC) Max. voltage	线圈电阻(Ω) Coil resistance
5	≤3.75	≥0.5	6.5	27 × (1 ± 10%)
6	≤4.50	≥0.6	7.8	40 × (1 ± 10%)
9	≤6.75	≥0.9	11.7	97 × (1 ± 10%)
12	≤9.00	≥1.2	15.6	155 × (1 ± 10%)
15	≤11.25	≥1.5	19.5	256 × (1 ± 10%)
18	≤13.50	≥1.8	23.4	380 × (1 ± 10%)
24	≤18.00	≥2.4	31.2	660 × (1 ± 10%)
48	≤36.00	≥4.8	62.4	2560 × (1 ± 10%)
70	≤52.50	≥7.0	91.0	5500 × (1 ± 10%)
110	≤82.50	≥11.0	143	13450 × (1 ± 10%)

ZJT93小型大功率继电器 Miniature High Power Relay



■ 特性 / Features

- 30A触点切换能力
- 触点与线圈间介质耐压2.5kV
- F级&B级线圈绝缘等级
- 塑封型和防尘罩型可供选择
- 印制板式引出脚，触点快连接式引出
- 可提供环保产品（符合RoHS）
- 外形尺寸：32.2 × 27.5 × 28.0mm
- 30A Switching capability
- PCB coil terminals, ideal for heavy duty load
- 2.5kV dielectric strength (between coil and contacts)
- Plastic sealed and Dust protected types available
- UL insulation system: Class F available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (32.2x27.5x28.0)mm

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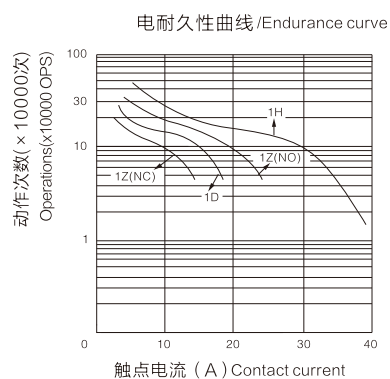
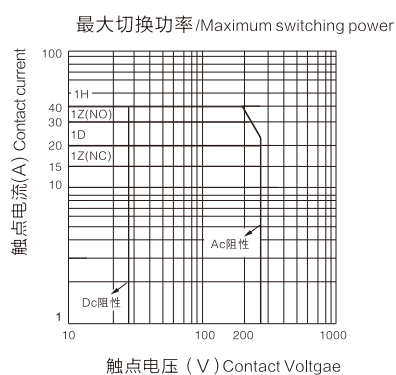
扫一扫，更精彩……



型号说明 / Ordering Information

ZJT93	A	K	S	DC003	T
继电器型号 Type	触点形式 Contact arrangement	触点电流 Contact Current	封装方式 Construction	线圈电压 Coil voltage	触点材料 Contact material
	A: 一组常开 B: 一组常闭 C: 一组转换 A: 1 Form A B: 1 Form B C: 1 Form C	无: 30A(NO) 20A(NC) K: 40A(NO) 30A(NC)	S: 塑封型 无: 防尘罩型或 敞开型 S: Plastic sealed Nil: Dust protected Unenclosed	3, 5, 6, 9, 12, 15, 18, 24, 48, 110VDC	T: AgSnO ₂ Nil: AgCdO

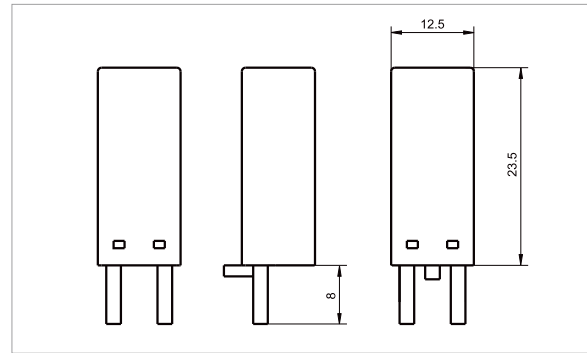
性能曲线图 / Characteristic curve



外形图、接线图、安装孔尺寸 / Dimensions, Wiring diagram and PC Board Layout

外形图 / Dimensions	接线图 /Wiring Diagram	安装孔尺寸 /PCB Layout
	<p>一组常开 /1 Form A</p> <p>(底视图) (Bottom view) (顶视图) (Top view)</p>	<p>(底视图) (Bottom view)</p>
	<p>一组常闭 /1 Form B</p> <p>(底视图) (Bottom view) (顶视图) (Top view)</p>	<p>(底视图) (Bottom view)</p>
	<p>一组转换 /1 Form C</p> <p>(底视图) (Bottom view) (顶视图) (Top view)</p>	<p>(底视图) (Bottom view)</p>

插入式LED模块



适用插座型号:

14F-2Z-C2/C3/C4

14F-1Z-C2/C3

18F-4Z-C4/C5/C8

18F-3Z-C4/C5

18F-2Z-C4/C5/C8

型号	电路图	电压	内置元件	功能说明
HFAA		(6 ~ 220)VDC	二极管	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流
HFAB		(6 ~ 220)VDC	二极管	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流
HFBC(R) HFBC(G)		(6 ~ 24)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFBD(R) HFBD(G)		(24 ~ 60)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFBE(R) HFBE(G)		110VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

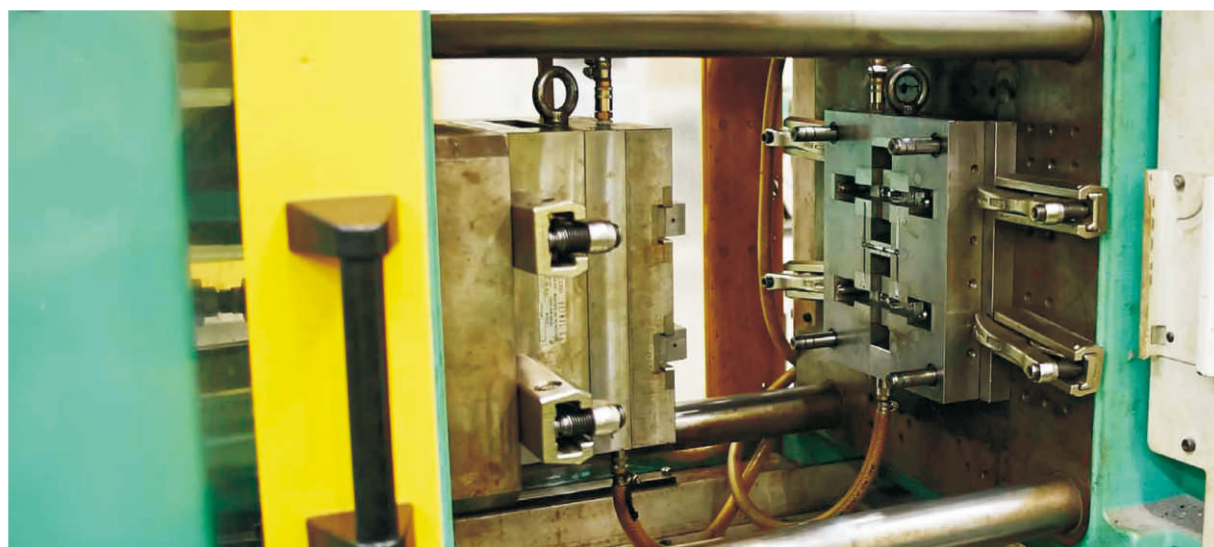
ZJT93

附件

型号	电路图	电压	内置元件	功能说明
HFCE(R) HFCE(G)		(6 ~ 24)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFCE(R) HFCE(G)		(24 ~ 60)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFCE(R) HFCE(G)		110 VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFDI		(6 ~ 24)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFDJ		(24 ~ 60)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFDK		(110 ~ 230)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFEL(R) HFEL(G)		(6 ~ 24)V AC / DC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFEM(R) HFEM(G)		(24 ~ 60)V AC / DC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFEN(R) HFEN(G)		(110 ~ 230)VAC 110VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFO(R) HFFO(G)		(6 ~ 24)V AC / DC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波

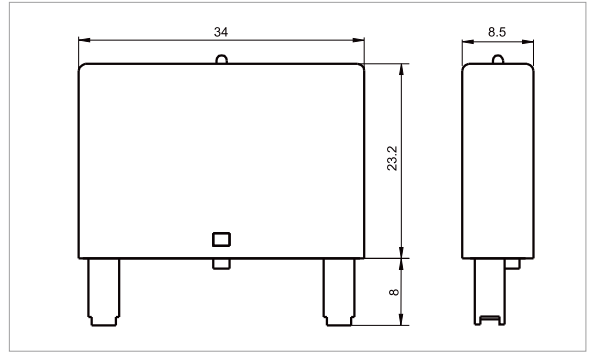
型号	电路图	电压	内置元件	功能说明
HFFP(R) HFFP(G)		(24 ~ 60)V AC / DC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波
HFFQ(R) HFFQ(G)		(110 ~ 230)VAC 110VDC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波
HFGR		24VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波
HFGS		115VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波
HFGT		230VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波
HFHU		(110 ~ 230)VAC	电阻	<input type="checkbox"/> 采用电阻保护线圈, 可分散电流

备注: (1) 当模块中含有LED内置元件时, 请在订货标记后标注(R) 或(G)表示指示灯颜色, 如HFBC(R)或HFBC(G), 其中(R)表示红色, (G)表示绿色。



ZJ18F/N
JH41F
ZJ18F/ZJ18FT
ZJ14F/ZJ14FW
ZJ10F
ZJ13F
其它继电器插座
ZJ3F
ZJT90
ZJT93
附件

插入式LED模块



适用插座型号:

10F-2Z-C4

10F-3Z-C4

型号	电路图	电压	内置元件	功能说明
HFFAA		(6 ~ 220)VDC	二极管	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流
HFFAB		(6 ~ 220)VDC	二极管	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流
HFFBC(R) HFFBC(G)		(6 ~ 24)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFBD(R) HFFBD(G)		(24 ~ 60)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFBE(R) HFFBE(G)		110VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态

型号	电路图	电压	内置元件	功能说明
HFFCF(R) HFFCF(G)		(6 ~ 24)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFCG(R) HFFCG(G)		(24 ~ 60)VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFCH(R) HFFCH(G)		110 VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFDI		(6 ~ 24)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFFDJ		(24 ~ 60)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFFDK		(110 ~ 230)V AC / DC	电容 电阻	<input type="checkbox"/> 采用RC线路保护线圈, 可吸收瞬间启动时过高的电流
HFFEL(R) HFFEL(G)		(6 ~ 24)V AC / DC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFEM(R) HFFEM(G)		(24 ~ 60)V AC / DC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFEN(R) HFFEN(G)		(110 ~ 230)VAC 110VDC	二极管 LED 电阻	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态
HFFFO(R) HFFFO(G)		(6 ~ 24)V AC / DC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈, 可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器, 可吸收突波

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

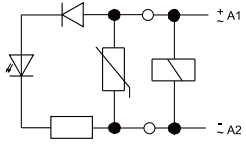
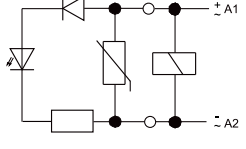
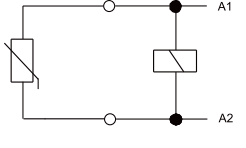
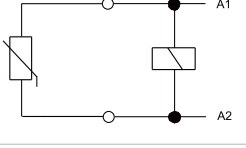
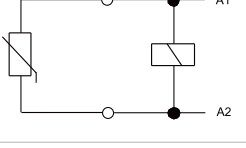
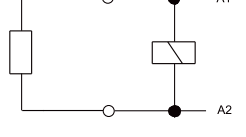
其它继电器插座

ZJ3F

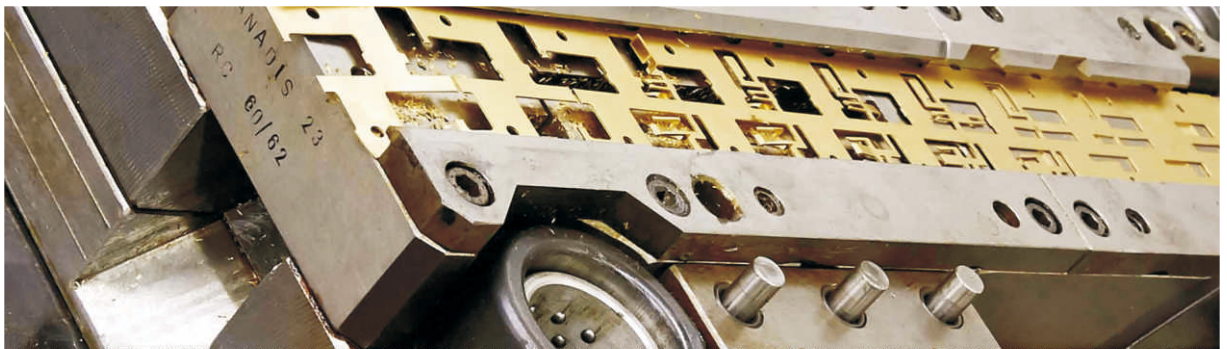
ZJT90

ZJT93


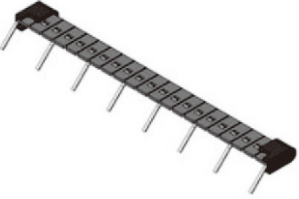
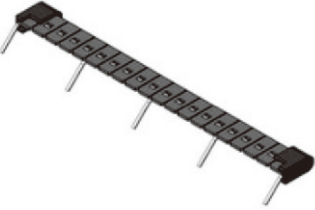





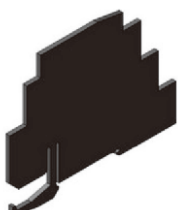
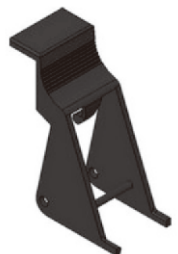


附件

型号	电路图	电压	内置元件	功能说明
HFFFP(R) HFFFP(G)		(24 ~ 60)V AC / DC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈，可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器，可吸收突波
HFFFQ(R) HFFFQ(G)		(110 ~ 230)VAC 110VDC	二极管 LED 电阻 变阻器	<input type="checkbox"/> 采用二极管保护线圈，可消除逆向电流 <input type="checkbox"/> 采用LED显示线圈通电状态 <input type="checkbox"/> 在线圈上并联电阻器，可吸收突波
HFFGR		24VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器，可吸收突波
HFFGS		115VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器，可吸收突波
HFFGT		230VAC	变阻器	<input type="checkbox"/> 在线圈上并联电阻器，可吸收突波
HFFHU		(110 ~ 230)VAC	电阻	<input type="checkbox"/> 采用电阻保护线圈，可分散电流

备注：(1) 当模块中含有LED内置元件时，请在订货标记后标注(R)或(G)表示指示灯颜色，如HFBC(R)或HFBC(G)，其中(R)表示红色，(G)表示绿色。



附件/Accessories

<p>41F连接桥</p>  <p><input type="checkbox"/> Contact bridge with 20 pins for 41F relay sockets</p>	<p>PI连接桥(PI-8)</p>  <p><input type="checkbox"/> Contact bridge with 8 pins for 14F relay sockets</p>	<p>PY连接桥(PY-5)</p>  <p><input type="checkbox"/> Jump link with 5 pins for 18F relay sockets</p>
<p>16/25高特规挂钩</p>  <p><input type="checkbox"/> Retainer clip is for the relay height 16 and 25 mm <input type="checkbox"/> Used for 14F relay sockets</p>	<p>29/36高特规挂钩</p>  <p><input type="checkbox"/> Retainer clip is for the relay height 29, 36 mm <input type="checkbox"/> Used for 18F relay sockets</p>	<p>15mm塑料单鼻头黑色</p>  <p><input type="checkbox"/> Retainer clip is for the relay height 15-16mm <input type="checkbox"/> Used for 14F relay sockets</p>
<p>36mm塑料双鼻头黑色</p>  <p><input type="checkbox"/> Plastic clip for the relay height 34-36mm <input type="checkbox"/> Used for 18F relay sockets</p>	<p>25mm塑料单鼻头黑色</p>  <p><input type="checkbox"/> Plastic clip for the relay height 25-26mm <input type="checkbox"/> Used for 14F relay sockets</p>	<p>41F绝缘隔板</p>  <p><input type="checkbox"/> Insulation sheet <input type="checkbox"/> Used for 41F relay sockets</p>
<p>15mm塑料单鼻头黑色</p>  <p><input type="checkbox"/> Din rail socket retainer for the relay height 15-16mm <input type="checkbox"/> Used for 14F relay sockets</p>	<p>29mm塑料单鼻头黑色</p>  <p><input type="checkbox"/> Din rail socket retainer for relay height 29mm <input type="checkbox"/> Used for 18F relay sockets</p>	<p>27mm双鼻头挂钩</p>  <p><input type="checkbox"/> Din rail socket retainer for relay height 27-29mm <input type="checkbox"/> Used for 18F relay sockets</p>

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座













ZJ3F

ZJT90


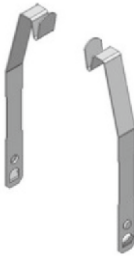
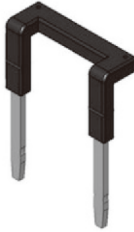

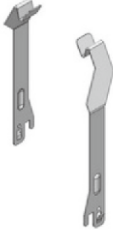
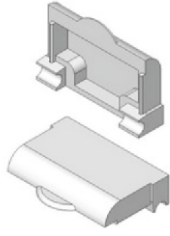
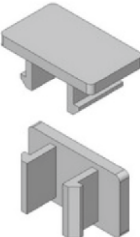
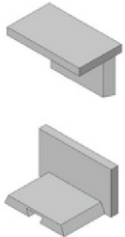
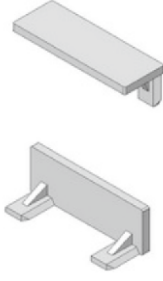
ZJT93

附件

附件/Accessories

<p>20mm塑料单鼻头黑色</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Plastic clip for relay height 20–21mm <input type="checkbox"/> Used for 14F relay sockets 	<p>M型钢钩14F Ø0.8x15mm</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip for relay height 15–16mm <input type="checkbox"/> Used for PCB type of relay sockets 	<p>15mm塑料M型钩</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Plastic clip for relay height 15–16mm <input type="checkbox"/> Used for PCB type of relay sockets
<p>25mm塑料双鼻头黑色</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Plastic clip for relay height 25–26mm <input type="checkbox"/> Used for 14F relay sockets 	<p>M型钢钩14F Ø0.8x20mm</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip for relay height 20–21mm <input type="checkbox"/> Used for PCB type of relay sockets 	<p>20mm塑料M型钩</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Plastic clip for relay height 20–21mm <input type="checkbox"/> Used for PCB type of relay sockets
<p>36mm塑料双鼻头黑色</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Din rail socket retainer for relay height 34–36mm <input type="checkbox"/> Used for 18F relay sockets 	<p>M型钢钩14F Ø0.8x25mm</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip for relay height 25–26mm <input type="checkbox"/> Used for PCB type of relay sockets 	<p>连接桥</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Jump link <input type="checkbox"/> Used for 18F cage clamp type relay sockets
<p>M型钢钩10F Ø0.8x50mm</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip for relay height 50mm <input type="checkbox"/> Used for 10F relay sockets 	<p>60M折扣钢钩</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip for relay height 50mm <input type="checkbox"/> Used for 10F relay sockets 	<p>25mm塑料M型钩</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Plastic clip for relay height 25–26mm <input type="checkbox"/> Used for PCB type of relay sockets

附件/Accessories

004卡簧	006卡簧	连接桥
 <ul style="list-style-type: none"> <input type="checkbox"/> Metal retainer for relay height 50mm <input type="checkbox"/> Used for 10F relay sockets 	 <ul style="list-style-type: none"> <input type="checkbox"/> Metal retainer for relay height 34-36mm <input type="checkbox"/> Used for 18F relay sockets 	 <ul style="list-style-type: none"> <input type="checkbox"/> Jump link <input type="checkbox"/> Used for 14F cage clamp type relay sockets
001卡簧	505卡簧	KMY4写字板
 <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip with relay height 29mm used for PCB type of relay sockets. 	 <ul style="list-style-type: none"> <input type="checkbox"/> Metal clip with relay height 34-36mm <input type="checkbox"/> Used for 18F relay sockets 	 <ul style="list-style-type: none"> <input type="checkbox"/> Writing tab <input type="checkbox"/> Used for 18F relay sockets
41F写字板	14F写字板	18F写字板
 <ul style="list-style-type: none"> <input type="checkbox"/> Writing tab <input type="checkbox"/> Used for 41F relay sockets 	 <ul style="list-style-type: none"> <input type="checkbox"/> Writing tab <input type="checkbox"/> Used for 14F relay sockets 	 <ul style="list-style-type: none"> <input type="checkbox"/> Writing tab <input type="checkbox"/> Used for 18F relay sockets

ZJ18F/N

JH41F

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

