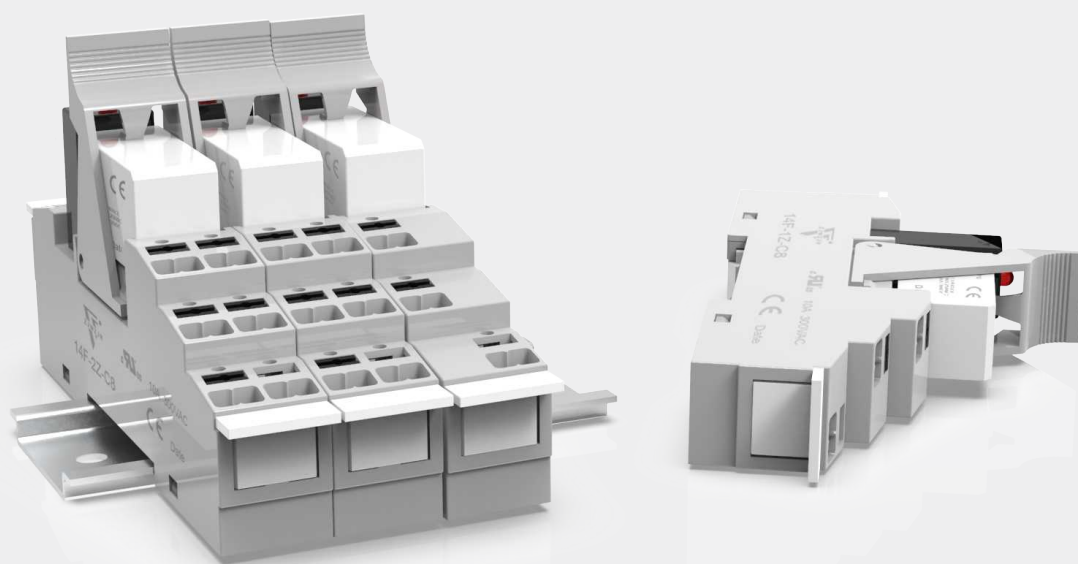


# 14F推入式继电器系列

## PUSH-IN RELAY SERIES

超过30年的领先技术经验，致力于成为世界领先的继电器制造商



# 推入式继电器模组



PUSH-IN RELAY MODULE  
18F、157F、14F、41F SERIES

## 推入式继电器插座 Push-in socket

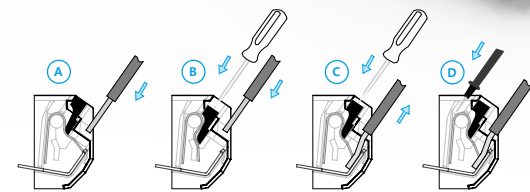
### ● 推入式技术 Push-in technology

减少控制面板工作的新标准，结合了多种继电器和易于使用的功能，采用 Push-In Plus 技术的插座系列可减少接线和工作量。

A New Standard for Reducing Work in Control Panel, Combining a Wide Selection of Relays with the Easy-to-use, Sockets with Push-In Plus technology Series Reduces Wiring and Workload.



### ● 14F-2P 连接桥 Way jumper link



快速简便的跳线能够连接在不同类型的接口模块

Fast and easy connection with jumper links - able to interconnect between different types of interface modules.

推入式端子允许快速连接的电线插入端台，实心电线或套圈进入终点站，可以通过先向下按用螺丝刀或手指按按钮。对于绞合电缆，首先使用按钮打开端子，用于抽出以及插入。

The Push-in terminals permit the quick connection of solid wires or ferrules by their simple insertion into the terminal. It is possible to open the terminal to extract the wire by first pushing down on the push-button using a screwdriver or fingers. For stranded cable it is necessary first to open the terminal using the push button, both for the extraction and insertion.

适配器允许轻松连接 A1/A2 端子最多 8 个 适配器模块通过一个 PLC 输出 14 极电缆，加上简单 2 线电源连接。

The MasterADAPTER permits the easy connection of A1/A2 terminals of up to 8 MasterINTERFACE modules to PLC outputs via a 14-Pole cable, plus simple 2-wire power supply connection.

### ● JH-AR 适配器 Master Adapter

### ● 41F-T 标识牌 Signage



标记标签架 - 所用标签可用热转印机的标签，可提高能见度和易读性。

The marker tag holder - for tags that can be used with thermal transfer printers - has also been redesigned for improved visibility and legibility.

### ● 41F-JR

### ● 41F-J1

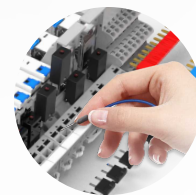
### ● 41F-JB

### ● 连接桥 Way jumper link

使用跳线快速简便地连接链接 - 能够相互连接不同类型的接口模块。

Fast and easy connection with jumper links - able to interconnect between different types of interface modules.

### ● S9-PI 连接桥 Way jumper link



金宏的 Push-In Plus 技术就像插入耳机插孔一样简单到。

它们有助于减少工作量和提高布线质量。

JINHONG' s Push-In Plus technology are as easy as inserting to an earphone jack. They help reduce the work load and improve wiring quality.



所有采用 Push-In Plus 技术的插座都随附标配释放杆，方便接力锁定和释放。

All Sockets with Push-In Plus technology come with release levers as standard for easy Relay locking and releasing.

- 无需工具即可安装和拆下继电器和底座，操作简单快速  
The relay and base can be installed and removed without tools, and the operation is simple and fast.

■ 继电器  
Relay

ZJ14F-2P

■ 塑料挂钩  
Plastic hook

14F-D15

■ 标识板  
Maker

14F-T

用于粘贴和记号标识,方便后续查找检查

It is used for pasting and marking identification to facilitate subsequent search and inspection

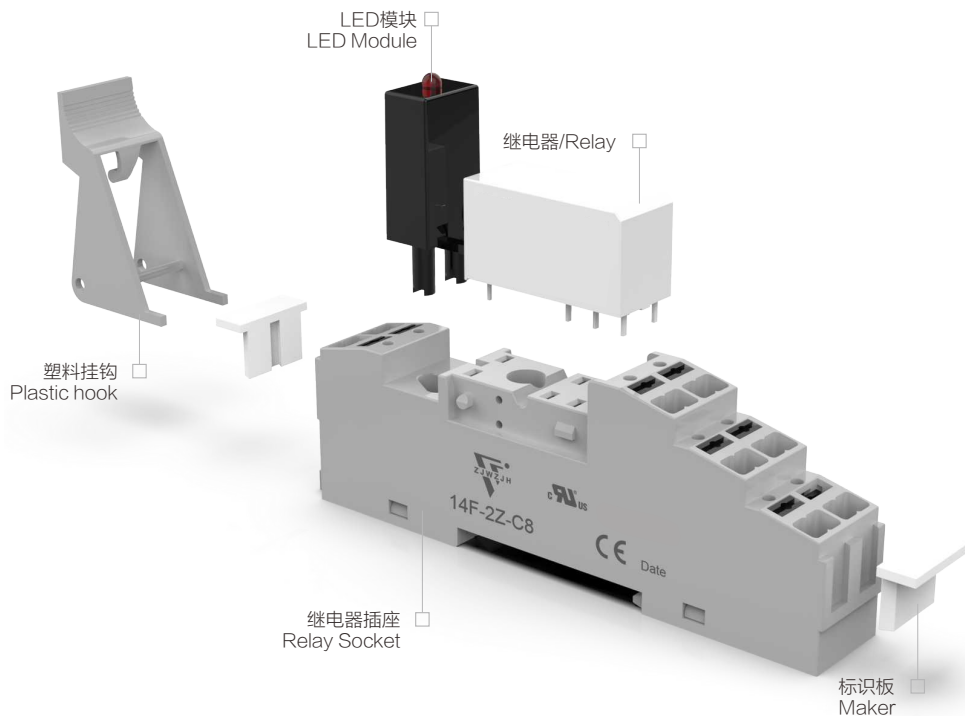
■ 继电器插座  
Relay Socket

14F-2Z-C8

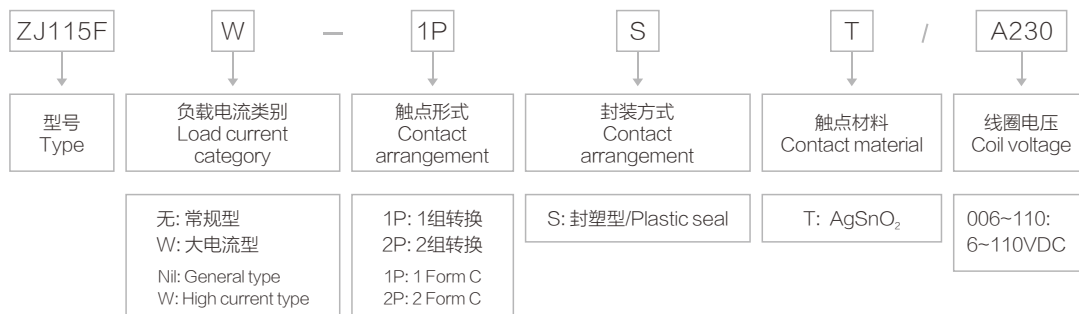
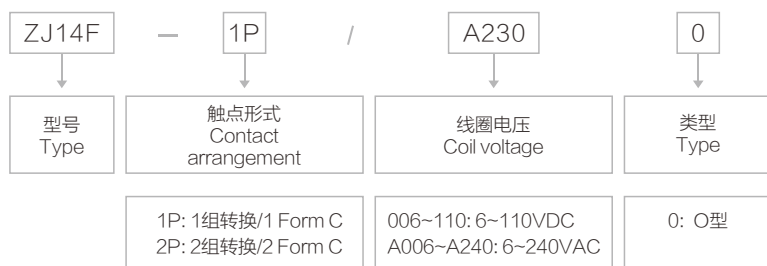
提供两款颜色可选,满足不同使用场景,不同客户需求

Two colors are available to meet different use scenarios and customer needs

- 黑色/Black
- 灰色/Grey



继电器型号命名/ Relay Select Code



# 可插拔继电器/ Interface Relay-pluggable

## ZJ14F-1P



### 技术参数/ Technical Data

型号 Type	ZJ14F-1P
触点形式 Contact arrangement	1P
触点材料 Contact material	Ag alloy
切换电流 Switching current	
-额定阻性 Rated Impedance	10A
-最大阻性 Max. Impedance	12A
-最小典型值 Min. Typical value	10mA at 5VDC
额定电压 Rated voltage	250VAC/30VDC
接触电阻 Initial Contact resistance	<50mΩ
释放电压 The release of the voltage	360W
最大阻性负载/Max. Resistive load	3000 VA
电气寿命 Electrical endurance	1x10 <sup>8</sup> 次
机械寿命 Mechanical endurance	1x10 <sup>7</sup> 次

### 性能参数/ Characteristics

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°C~+70°C
线圈功率 Coil power	DC: ~0.5W ; AC: ~0.9VA
防护等级 Inside protection (IEC 144)	IP67
工作等级 Working class type of service	C/Continuous
焊接温度 Welding time	260°C. Max
焊接时间 Welding time	5s Max.
封装方式 Packaging method	防尘罩型 Dust protected
重量 Weight	~14g
初始耐压 Test voltage	
-断开触点间 Open contacts	1000VAC 50/60Hz 1Min 漏电流
-线圈和触点间 Contacts coil	5000VAC 50/60Hz 1Min 漏电流
耐冲击 Shock resistance	10G(正弦半波脉冲: 11ms)
-稳定性 Operating extremes	10G
-强度 Damage Limits	100G
耐振动 Vibration resistance	10~55~10Hz 单振幅0.75mm(双振幅1.5mm)
绝缘电阻 Insulation resistance	≥1000MΩ



Fig.1. 接线图/ Wiring Diagram

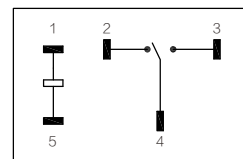


Fig.2. 寿命曲线图/ Life Curve Chart

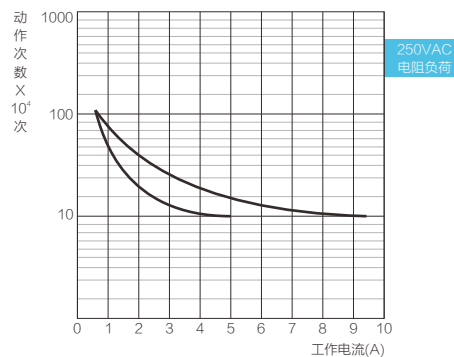
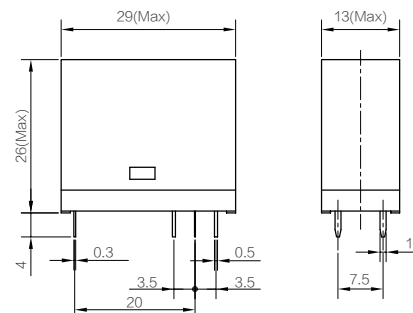


Fig.3. 外形尺寸图/ Dimensions



### 认证/ Standards



# 可插拔继电器/ Interface Relay-pluggable

ZJ115F-1P



## 技术参数/ Technical Data

型号 Type	ZJ115F-1P
触点形式 Contact arrangement	1P
触点材料 Contact material	Ag alloy / AgSnO <sub>2</sub>
接触电阻 Contact resistance	≤50mΩ (1A / 6VDC)
控制负载 Control load	
-阻性 Resistance	12A 250VAC/30VDC
切换电压 Switching voltage	Max. 277 VAC / 30VDC
切换电流 Switching current	Max. 16A
容许容量 Allowable capacity	Max. 4000VA / 480W
容许负荷 Allowable load	Min. 5VDC 100mA
电气寿命 Electrical endurance	1×10 <sup>5</sup> 次 1秒通 1秒断
机械寿命 Mechanical endurance	1×10 <sup>7</sup> 次

## 性能参数/ Characteristics

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°C~+85°C
环境湿度 Environmental humidity	5%~90%RH
引出端形式 Termination	印制板式PCB
封装方式 Packaging method	塑封型 Plastic sealed
重量 Weight	~13g
初始耐压 Test voltage	
-断开触点间 Open contacts	1000VAC 1Min
-线圈和触点间 Contacts coil	5000VAC 1Min
耐冲击 Shock resistance	
-稳定性 Operating extremes	98m/s <sup>2</sup> (10G)
-强度 Damage Limits	980m/s <sup>2</sup> (100G)
耐振动 Vibration resistance	10~55Hz 1.5mm(双振幅)
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)



Fig.1. 接线图/ Wiring Diagram

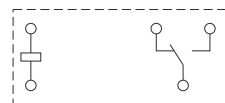


Fig.2. 电耐久性曲线图/ Endurance curve

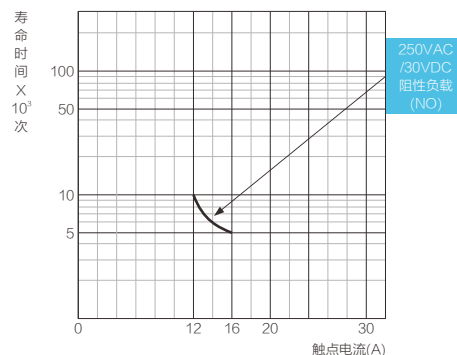
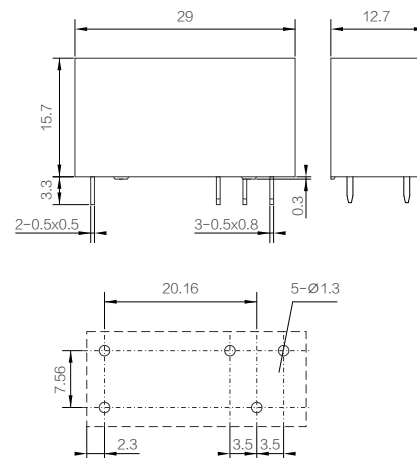


Fig.3. 外形尺寸图/ Dimensions



## 认证/ Standards

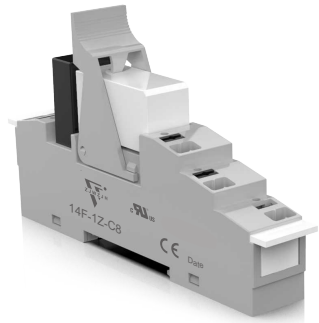


# Push-In 插座/ Relay Socket | Push-In

## 14F-1Z-C8

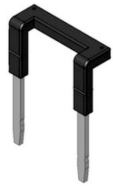


型号 Type	14F-1Z-C8
额定负载 Nominal load	
-电流 Current	12A
-电压 Voltage	300V
介质耐压 Dielectric strength	2500V/min
剥线长度 Stripping length	8mm
适用导线截面积 Wire cross section	
-单根导线 Single wire	2x2.5mm <sup>2</sup>
-套管导线 Casing wire	2x1.5mm <sup>2</sup>
使用环境 Ambient temperature	-40°C~+85°C



### 附件 Accessories

#### 14F连接桥/Bridge



可选颜色 / Selective Color  
 ■ 红色 / Red  
 ■ 黄色 / Blue  
 ■ 黑色 / Black  
 ■ 灰色 / Grey

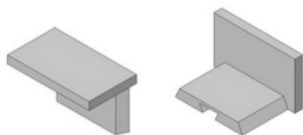
规格/specifications: 14F-2P-13

#### 15mm塑料双鼻头/Plastic double nose



规格/specifications: 14F-D15

#### 14F写字板/Tablet



规格/specifications: 14F-T

#### 连接桥/Bridge



规格/specifications: S9-PI

Fig.1. 端子配置内部链接/ Connection Diagrams

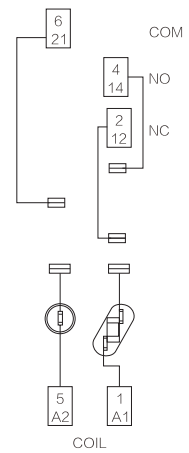
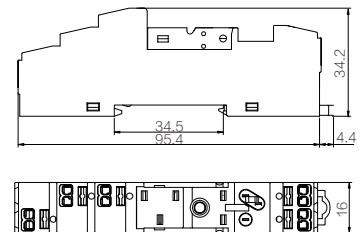


Fig.2. 尺寸图/ Dimensions (mm)



### 认证/ Standards



# 可插拔继电器/ Interface Relay-pluggable

## ZJ14F-2P



### 技术参数/ Technical Data

型号 Type	ZJ14F-2P
触点形式 Contact arrangement	2P
触点材料 Contact material	Ag alloy
切换电流 Switching current	
-额定阻性 Rated Impedance	5A
-最大阻性 Max. Impedance	8A
-最小典型值 Min. Typical value	10mA at 5VDC
额定电压 Rated voltage	250VAC/30VDC
接触电阻 Initial Contact resistance	<50mΩ
释放电压 The release of the voltage	240W
最大阻性负载/Max. Resistive load	2000 VA
电气寿命 Electrical endurance	1×10 <sup>5</sup> 次
机械寿命 Mechanical endurance	1×10 <sup>7</sup> 次

### 性能参数/ Characteristics

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°C~+70°C
线圈功率 Coil power	DC: ~0.5W ; AC: ~0.9VA
防护等级 Inside protection (IEC 144)	IP67
工作等级 Working class type of service	C/Continuous
焊接温度 Welding time	260°C. Max
焊接时间 Welding time	5s Max.
封装方式 Packaging method	防尘罩型 Dust protected
重量 Weight	~14g
初始耐压 Test voltage	
-断开触点间 Open contacts	1000VAC 50/60Hz 1Min 漏电流
-线圈和触点间 Contacts coil	5000VAC 50/60Hz 1Min 漏电流
耐冲击 Shock resistance	10G(正弦半波脉冲: 11ms)
-稳定性 Operating extremes	10G
-强度 Damage Limits	100G
耐振动 Vibration resistance	10~55~10Hz 单振幅0.75mm(双振幅1.5mm)
绝缘电阻 Insulation resistance	≥1000MΩ



Fig.1. 接线图/ Wiring Diagram

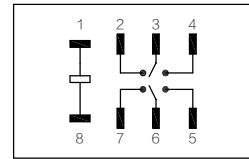


Fig.2. 寿命曲线图/ Life Curve Chart

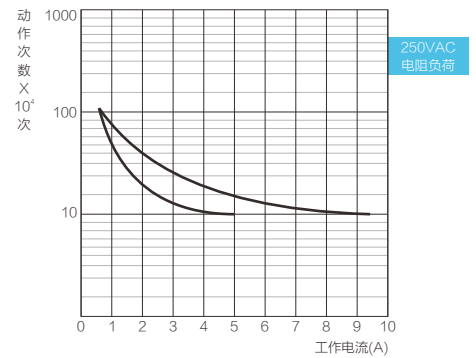
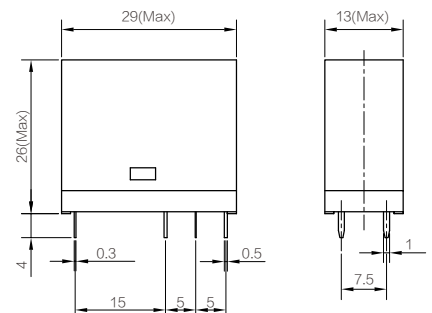


Fig.3. 外形尺寸图/ Dimensions



### 认证/ Standards



# 可插拔继电器/ Interface Relay-pluggable

ZJ115FW-1P



## 技术参数/ Technical Data

型号 Type	ZJ115FW-1P
触点形式 Contact arrangement	1P
触点材料 Contact material	Ag alloy / AgSnO <sub>2</sub>
接触电阻 Contact resistance	≤50mΩ (1A / 6VDC)
控制负载 Control load	
-阻性 Resistance	16A 250VAC/30VDC
切换电压 Switching voltage	Max. 277 VAC / 30VDC
切换电流 Switching current	Max. 16A
容许容量 Allowable capacity	Max. 4000VA / 480W
容许负荷 Allowable load	Min. 5VDC 100mA
电气寿命 Electrical endurance	1×10 <sup>7</sup> 次 1秒通 1秒断
机械寿命 Mechanical endurance	1×10 <sup>7</sup> 次

## 性能参数/ Characteristics

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°C~+85°C
环境湿度 Environmental humidity	5%~90%RH
引出端形式 Termination	印制板式PCB
封装方式 Packaging method	塑封型 Plastic sealed
重量 Weight	~13g
初始耐压 Test voltage	
-断开触点间 Open contacts	1000VAC 1Min
-线圈和触点间 Contacts coil	5000VAC 1Min
耐冲击 Shock resistance	
-稳定性 Operating extremes	98m/s <sup>2</sup> (10G)
-强度 Damage Limits	980m/s <sup>2</sup> (100G)
耐振动 Vibration resistance	10~55Hz 1.5mm(双振幅)
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)

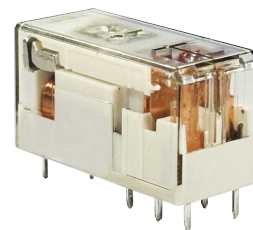


Fig.1. 接线图/ Wiring Diagram

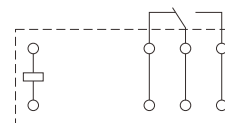


Fig.2. 电耐久性曲线图/ Endurance curve

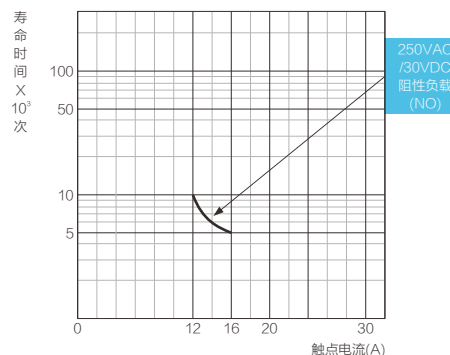
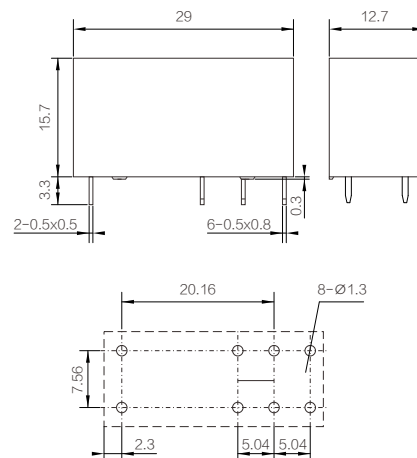


Fig.3. 外形尺寸图/ Dimensions



## 认证/ Standards



# 可插拔继电器/ Interface Relay-pluggable

ZJ115F-2P



## 技术参数/ Technical Data

型号 Type	ZJ115F-2P
触点形式 Contact arrangement	2P
触点材料 Contact material	Ag alloy / AgSnO <sub>2</sub>
接触电阻 Contact resistance	≤50mΩ (1A / 6VDC)
控制负载 Control load	
-阻性 Resistance	8A 250VAC/30VDC
切换电压 Switching voltage	Max. 277 VAC/30VDC
切换电流 Switching current	Max. 12A
容许容量 Allowable capacity	Max. 2000VA/240W
容许负荷 Allowable load	Min. 5VDC 100mA
电气寿命 Electrical endurance	1×10 <sup>5</sup> 次 1秒通 1秒断
机械寿命 Mechanical endurance	1×10 <sup>7</sup> 次

## 性能参数/ Characteristics

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°C~+85°C
环境湿度 Environmental humidity	5%~90%RH
引出端形式 Termination	印制板式PCB
封装方式 Packaging method	塑封型 Plastic sealed
重量 Weight	~13g
初始耐压 Test voltage	
-断开触点间 Open contacts	1000VAC 1Min
-线圈和触点间 Contacts coil	5000VAC 1Min
耐冲击 Shock resistance	
-稳定性 Operating extremes	98m/s <sup>2</sup> (10G)
-强度 Damage Limits	980m/s <sup>2</sup> (100G)
耐振动 Vibration resistance	10~55Hz 1.5mm(双振幅)
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)

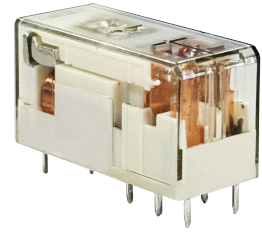


Fig.1. 接线图/ Wiring Diagram

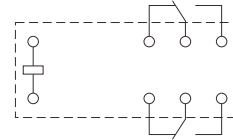


Fig.2. 电耐久性曲线图/ Endurance curve

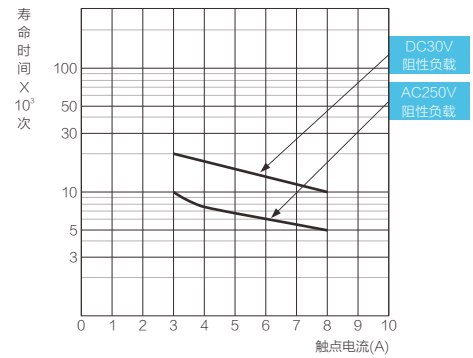
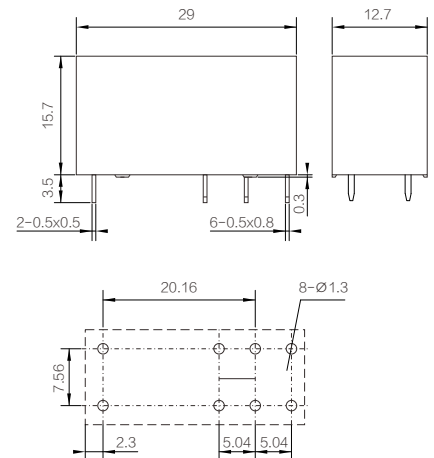


Fig.3. 外形尺寸图/ Dimensions



## 认证/ Standards

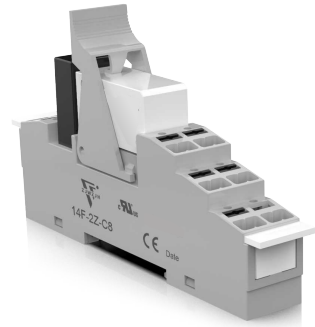


# Push-In 插座/ Relay Socket | Push-In

## 14F-2Z-C8

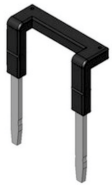


型号 Type	14F-2Z-C8
额定负载 Nominal load	
-电流 Current	12A
-电压 Voltage	300V
介质耐压 Dielectric strength	2500V/min
剥线长度 Stripping length	8mm
适用导线截面积 Wire cross section	
-单根导线 Single wire	2x2.5mm <sup>2</sup>
-套管导线 Casing wire	2x1.5mm <sup>2</sup>
使用环境 Ambient temperature	-40°C~+85°C



### 附件 Accessories

#### 14F连接桥/Bridge



可选颜色  
/Selective Color

- 红色 / Red
- 黄色 / Blue
- 黑色 / Black
- 灰色 / Grey

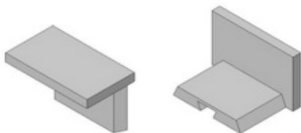
规格/specifications: 14F-2P-13

#### 15mm塑料双鼻头/Plastic double nose



规格/specifications: 14F-D15

#### 14F写字板/Tablet



规格/specifications: 14F-T

#### 连接桥/Bridge



规格/specifications: S9-PI

Fig.1. 端子配置内部链接/ Connection Diagrams

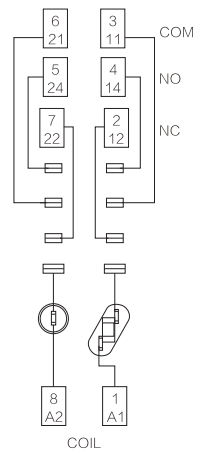
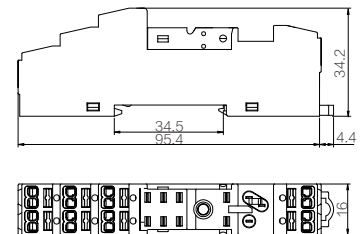


Fig.2. 尺寸图/ Dimensions (mm)



### 认证/ Standards





本文件已打印在生态纸上  
Printing with environmentally friendly paper



本手册属温州金宏电器有限公司印制，仅用于说明本系列产品的相关信息。金宏电器可能因技术升级或采用更新的生产工艺而改进手册有关内容，或对本手册的印刷错误及不准确的信息进行必要的改进和更改，恕不另行通知。商家订货时请联系公司，以证实相关信息。

This manual is intended for on-site installation and product use by Jinhong Electric(KINRED) Please retain the technical documentation and drawings for future reference.

For detailed information regarding this manual, please contact the relevant department or our customer service. Specifications are subject to change without prior notice.

本公司已完成宣传文案整改，所有业务资料均以现行最新版目录为准，旧版作废。

We have revised non-compliant wording in old catalogs. The latest version shall prevail; all previous versions are invalid.



**温州金宏电器有限公司**  
WENZHOU JINHONG ELECTRICAL APPLIANCE CO., LTD

更专业的技术服务



www.wzjh.cc



T +86-577-57187518  
F +86-577-57187788  
E admin@wzjh.cc

Address

浙江省乐清市城东产业功能区永兴二路10号  
Yongxing second Road 10#, Chengdong industrial  
functional area, Yueqing city, Zhejiang Province.