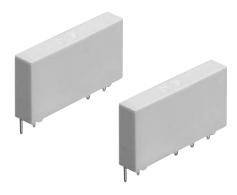
# anasonic





#### **Compliant with European standards** 1a/1c 6A Slim power relays

## PF RELAY



Protective construction: Sealed type

#### **FEATURES**

- 1. High density mounting with 5 mm .197 inch width
  - Space saved with 5 mm .197 inch slim type with 28 mm 1.102 inch length. Allows high density mounting and use in compact devices.
- 2. Satisfies reinforced insulation standard (EN/IEC 61810-1)
- 3. High switching capacity Supports 6A 250 V AC nominal switching capacity (resistive load) and AC15 and DC13 (inductive load).
- 4. 1 Form A and 1 Form C contact arrangements with options for a variety of applications
- 5. 4,000 V high breakdown voltage and 6,000 V high surge breakdown voltage

Controller protection against surges and noise with a breakdown voltage of 3. Industrial equipment, office 4,000 Vrms for 1 min. between contacts and coil, and 6,000 V surge breakdown voltage between contacts

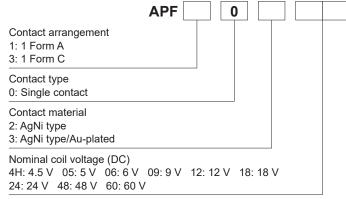
6. Resistance to heat and fire; EN60335-1, clause 30 (GWT) approved

- 7. Sealed construction allows automatic washing
- 8. Complies with all safety standards UL/C-UL, VDE certified.
- 9. High insulation resistance Creepage distance between contact and coil terminal: Min. 8.0 mm .315
  - Clearance distance between contact and coil terminal: Min. 6.0 mm .236

#### TYPICAL APPLICATIONS

- 1. Interface relays for programmable controllers
- 2. Output relays for measuring equipment, timers, counters and temperature controllers
- equipment
- 4. Household appliances for Europe

#### ORDERING INFORMATION



Notes: 1 AgSnO<sub>2</sub> type contact is available. Please contact us for details. 2. Bent pins type is available. Please contact us for details.

### **TYPES**

Contact arrangement	Nominal coil voltage	Part No.
· 5	4.5V DC	APF1024H
	5V DC	APF10205
	6V DC	APF10206
	9V DC	APF10209
1 Form A (AgNi type)	12V DC	APF10212
(rigiti type)	18V DC	APF10218
	24V DC	APF10224
	48V DC	APF10248
	60V DC	APF10260
	4.5V DC	APF1034H
	5V DC	APF10305
	6V DC	APF10306
	9V DC	APF10309
1 Form A (AgNi type/Au-plated)	12V DC	APF10312
(/ igi vi typo//tu-plateu)	18V DC	APF10318
	24V DC	APF10324
	48V DC	APF10348
	60V DC	APF10360

Contact arrangement	Nominal coil voltage	Part No.
	4.5V DC	APF3024H
	5V DC	APF30205
	6V DC	APF30206
4.5	9V DC	APF30209
1 Form C (AgNi type)	12V DC	APF30212
(rigiti type)	18V DC	APF30218
	24V DC	APF30224
	48V DC	APF30248
	60V DC	APF30260
	4.5V DC	APF3034H
	5V DC	APF30305
	6V DC	APF30306
4.5	9V DC	APF30309
1 Form C (AgNi type/Au-plated)	12V DC	APF30312
(Agivi type/Au-plateu)	18V DC	APF30318
	24V DC	APF30324
	48V DC	APF30348
	60V DC	APF30360

ASCTB205E 201903

Standard packing: Tube: 20 pcs.; Case: 1,000 pcs.

## **RATING**

#### 1.Coil data

- Operating characteristics such as 'Operate voltage' and 'Release voltage' are influenced by mounting conditions, ambient temperature, etc. Therefore, please use the relay within ± 5% of rated coil voltage.

   'Initial' means the condition of products at the time of delivery.

	•	•				
Nominal coil voltage	Pick-up voltage (at 20°C 68°F)	Drop-out voltage (at 20°C 68°F)	Nominal operating current [±10%] (at 20°C 68°F)	Coil resistance [±10%] (at 20°C 68°F)	Nominal operating power	Max. applied voltage (at 20°C 68°F)
4.5V DC			37.8mA	119Ω		
5V DC			34.0mA	147Ω		
6V DC		Min. 5%V nominal voltage (Initial)	28.3mA	212Ω		
9V DC	Max. 70%V		18.9mA	476Ω	170mW	4000()/ 6
12V DC	nominal voltage		14.2mA	847Ω	17011100	120%V of nominal voltage
18V DC	(Initial)		9.4mA	1,906Ω		Tiominal voltage
24V DC			7.1mA	3,388Ω		
48V DC			4.5mA	10,618Ω	217mW	
60V DC			2.9mA	20,570Ω	175mW	

– 2 –

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#### 2. Specifications

Characteristic		Item	Specific	cations	
	Arrangement		1 Form A	1 Form C	
Contact	Contact resistance (I	nitial)	Max. 100 mΩ (AgNi type), Max. 30 mΩ (AgNi type/Au-plated) (By voltage drop 6 V DC 1/4		
Contact material			AgNi type, AgNi	type/Au-plated	
	Nominal switching ca	apacity (resistive load)	6 A 250	VAC	
	Max. switching powe	r (resistive load)	1,500	) VA	
Rating	Max. switching voltage	ge	250V	'AC	
	Max. switching curre	nt	6 A (	AC)	
	Min. switching capac	ity (Reference value)*1	100 mA 5 V DC (AgNi type), 1 m.	A 1 V DC (AgNi type/Au-plated)	
Insulation resistance (Initial)		Min. 1,000MΩ Measurement at same location a			
	Breakdown voltage (Initial)	Between open contacts	1,000 Vrms for 1 min. (Detection current: 10 mA)		
Electrical characteristics		Between contact and coil	4,000 Vrms for 1 min. (Detection current: 10 mA)		
	Surge breakdown voltage*2 (Between contact and coil) (Initial)		6,000 V		
	Operate time (at 20°	C 68°F)	Max. 8 ms (Nominal coil voltage applied to the coil, excluding contact bounce time.)		
	Release time (at 20°	C 68°F)	Max. 4 (Nominal coil voltage applied to the coil, excl		
Mechanical Shock resistan		Functional	Min. 98 m/s² (Half-wave pulse of sine wave: 11 ms; detection time: 10µs)	Min. 49 m/s² (Half-wave pulse of sine wave: 11 ms; detection time: 10μs)	
characteristics		Destructive	Min. 980 m/s² (Half-wave p	ulse of sine wave: 11 ms.)	
	Vibration resistance	Functional	10 to 55 Hz at double amplitude	of 1 mm (Detection time: 10µs.)	
	Vibration resistance	Destructive	10 to 55 Hz at double	amplitude of 1.5 mm	
Expected life	Mechanical		Min. 5×10 <sup>6</sup> (at 1	80 times/min.)	
Conditions	Conditions for operation, transport and storage*3		Ambient temperature: -40°C to +85°C -40° freezing and condensin	, ,	
Unit weight			Approx. 5	g .18 oz	

Notes: \*1. This value can change due to the switching frequency, environmental conditions, and desired reliability level, therefore it is recommended to check this with the actual load.

- \*2. Wave is standard shock voltage of ±1.2×50µs according to JEC-212-1981
- \*3. The upper operation ambient temperature limit is the maximum temperature that can satisfy the coil temperature rise value. Refer to "Usage, transport and storage conditions" in NOTES.

#### 3. Electrical life

Condition: Resistive load, at 6 times/min.

Туре		Switching capacity	No. of operations	
1 Form A		6A 250V AC	min. 5×10⁴	
1 Form C	N.O.	6A 250V AC	min. 5×10⁴	
1 Form C	N.C.	6A 250V AC	min. 3×10 <sup>4</sup>	

#### REFERENCE DATA

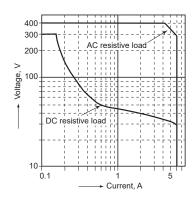
#### 1. Electrical life

Tested sample: APF30224

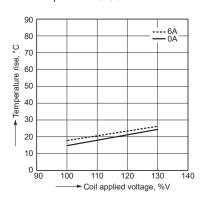
Load	type	Voltage	Current	Ambient temperature	No. of ops.
Resistiv	e load	250V AC	6 A	85°C 185°F	30,000
Industive lead	AC15	250V AC	3 A	25°C 77°F	20,000
Inductive load	DC13	24V DC	2 A	25°C 77°F	6,000

Notes: 1. Switch contacts are all on N.O. side.

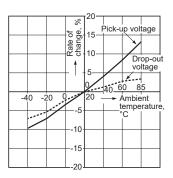
## 2. Max. switching capacity Tested sample: APF30224



#### 3. Coil temperature rise Tested sample: APF30224 Measured portion: Inside the coil Ambient temperature: 28°C 82°F



4. Ambient temperature characteristics Tested sample: APF30224, 6 pcs.

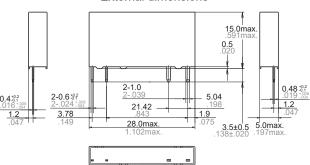


#### **DIMENSIONS** (mm inch) 1. 1 Form A type

CAD The CAD data of the products with a "CAD" mark can be downloaded from our Website.

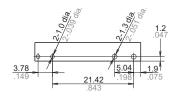
# CAD

#### External dimensions



General tolerance: ±0.3 ±.012

#### PC board pattern (Bottom view)



Tolerance: ±0.1 ±.004

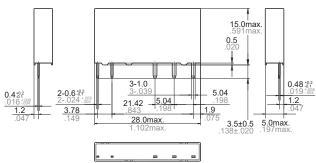
#### Schematic (Bottom view)

COIL COM NO

#### 2. 1 Form C type

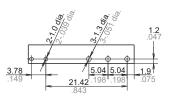


#### External dimensions



General tolerance: ±0.3 ±.012

#### PC board pattern (Bottom view)



Tolerance: ±0.1 ±.004

#### Schematic (Bottom view)

COIL NC COM NO

<sup>2.</sup> AC15 and DC13 comply with IEC-60947-5-1 testing conditions.

#### **SAFETY STANDARDS**

Types	UL/C-UL (Recognized)*1				VDE(Certified)*2				
Types	File No.	Contact rating	Tempreture	Cycles	File No.	Contact rating	Tempreture	Cycles	
		6A 277V AC General use	<b>85°C</b> 185°F	6×10 <sup>3</sup>		6A 250V AC (cosφ =1.0) (N.O.)	25°C 77°F	8×10⁴	
		8A 277V AC General use (N.O.)	-	6×10³		6A 250V AC (cosφ =1.0) (N.C.)	25°C 77°F	5×10⁴	
4 = 4		4A 277V AC General use	_	3×10⁴	40007070	6A 250V AC (cosφ =1.0) (N.O.)	<b>85°C</b> 185°F	4×10 <sup>4</sup>	
1 FormA, 1 FormC	E120782	0782 6A 24V DC General use (N.O.)	85°C 185°F	6×10³	40027672 (IEC/EN61810-1)	6A 250V AC (cosφ =1.0) (N.C.)	<b>85°C</b> 185°F	3×10⁴	
1 1 OIIIIO		B300 (Pilot Duty) (N.O.)	-	-	(ILC/LING1010-1)	8A 250V AC (cosφ =1.0) (N.O.)	25°C 77°F	2.5×10⁴	
		R300 (Pilot Duty)	_	-		_	_	_	
		Class I Division2 Groups A,B,C,D Hazardous Location (ANSI/ISA 12.12.01)				_	_	_	

<sup>\*1.</sup> CSA standard: Certified by C-UL

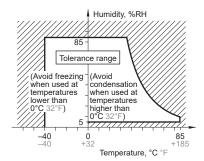
# **EN/IEC VDE Certified INSULATION CHARACTERISTICS (IEC61810-1)**

Item	Characteristics
Clearance/Creepage distance (IEC61810-1)	Min. 6.0/8.0mm
Category of protection (IEC61810-1)	RT III
Tracking resistance (IEC60112)	PTI 175
Insulation material group	III a
Over voltage category	III
Rated voltage	250V
Pollution degree	2
Type of insulation (Between contact and coil)	Reinforced insulation
Type of insulation (Between open contacts)	Micro disconnection

#### **NOTES**

- 1. For cautions for use, please read "GENERAL APPLICATION GUIDELINES".
- 2. Usage, transport and storage conditions
  - 1) Temperature:
  - -40 to +85°C -40 to +185°F
  - 2) Humidity: 5 to 85% RH (Avoid freezing and condensation.) The humidity range varies with the temperature. Use within the range indicated in the graph below.
  - 3) Atmospheric pressure: 86 to 106 kPa

Temperature and humidity range for usage, transport, and storage



- 5 -

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#### 4) Condensation

Condensation forms when there is a sudden change in temperature under high temperature and high humidity conditions. Condensation will cause deterioration of the relay insulation. 5) Freezing

Condensation or other moisture may freeze on the relay when the

temperatures is lower than 0°C 32°F. This causes problems such as sticking of movable parts or operational time lags.

6) Low temperature, low humidity environments

The plastic becomes brittle if the relay is exposed to a low temperature, low humidity environment for long periods of time.

ASCTB205E 201903

Please refer to "the latest product specifications" when designing your product.

• Requests to customers :

https://industrial.panasonic.com/ac/e/salespolicies/

<sup>\*2.</sup> Insulation: Reinforced insulation between contact and coil. Resistance to heat and fire; EN60335-1, clause 30 (GWT) approved.

## **GUIDELINES FOR POWER RELAYS AND HIGH-CAPACITY DC CUT OFF RELAYS USAGE**

#### For cautions for use, please read "GUIDELINES FOR RELAY USAGE".

https://industrial.panasonic.com/ac/e/control/relay/cautions\_use/index.jsp

#### Precautions for Coil Input

#### ■Long term current carrying

A circuit that will be carrying a current continuously for long periods without relay switching operation. (circuits for emergency lamps, alarm devices and error inspection that, for example, revert only during malfunction and output warnings with form B contacts) Continuous, long-term current to the coil will facilitate deterioration of coil insulation and characteristics due to heating of the coil itself.

For circuits such as these, please use a magnetic-hold type latching relay. If you need to use a single stable relay, use a sealed type relay that is not easily affected by ambient conditions and make a failsafe circuit design that considers the possibility of contact failure or disconnection.

#### **■**DC Coil operating power

Steady state DC current should be applied to the coil. The wave form should be rectangular. If it includes ripple, the ripple factor should be less than 5%.

However, please check with the actual circuit since the electrical characteristics may vary. The rated coil voltage should be applied to the coil and the set/reset pulse time of latching type relay differs for each relays, please refer to the relay's individual specifications.

#### **■** Coil connection

When connecting coils of polarized relays, please check coil polarity (+,-) at the internal connection diagram (Schematic). If any wrong connection is made, it may cause unexpected malfunction, like abnormal heat, fire and so on, and circuit do not work. Avoid impressing voltages to the set coil and reset coil at the same time.

#### ■ Maximum allowable voltage and temperature rise

Proper usage requires that the rated coil voltage be impressed on the coil. Note, however, that if a voltage greater than or equal to the maximum continuous voltage is impressed on the coil, the coil may burn or its layers short due to the temperature rise. Furthermore, do not exceed the usable ambient temperature range listed in the catalog.

#### Operate voltage change due to coil temperature rise (Hot start)

In DC relays, after continuous passage of current in the coil, if the current is turned OFF, then immediately turned ON again, due to the temperature rise in the coil, the pick-up voltage will become somewhat higher. Also, it will be the same as using it in a higher temperature atmosphere. The resistance/temperature relationship for copper wire is about 0.4% for 1°C, and with this ratio the coil resistance increases. That is, in order to operate of the relay, it is necessary that the voltage be higher than the pick-up voltage and the pick-up voltage rises in accordance with the increase in the resistance value. However, for some polarized relays, this rate of change is considerably smaller.

#### Ambient Environment

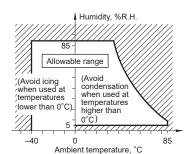
#### •Usage, Transport, and Storage Conditions

During usage, storage, or transportation, avoid locations subjected to direct sunlight and maintain normal temperature, humidity and pressure conditions.

#### •Temperature/Humidity/Pressure

When transporting or storing relays while they are tube packaged, there are cases the temperature may differ from the allowable range. In this case be sure to check the individual specifications. Also allowable humidity level is influenced by temperature, please check charts shown below and use relays within mentioned conditions. (Allowable temperature values differ for each relays, please refer to the relay's individual specifications.)

- 1) Temperature:
  - The tolerance temperature range differs for each relays, please refer to the relay's individual specifications
- 2) Humidity: 5 to 85 % RH
- 3) Pressure: 86 to 106 kPa



#### Dew condensation

Condensation occurs when the ambient temperature drops suddenly from a high temperature and humidity, or the relay is suddenly transferred from a low ambient temperature to a high temperature and humidity. Condensation causes the failures like insulation deterioration, wire disconnection and rust etc. Panasonic Corporation does not guarantee the failures caused by condensation.

The heat conduction by the equipment may accelerate the cooling of device itself, and the condensation may occur. Please conduct product evaluations in the worst condition of the actual usage. (Special attention should be paid when high temperature heating parts are close to the device. Also please consider the condensation may occur inside of the device.)

#### •lcinc

-1-

Condensation or other moisture may freeze on relays when the temperature become lower than 0°C.This icing causes the sticking of movable portion, the operation delay and the contact conduction failure etc. Panasonic Corporation does not guarantee the failures caused by the icing.

The heat conduction by the equipment may accelerate the cooling of relay itself and the icing may occur. Please conduct product evaluations in the worst condition of the actual usage.

#### Low temperature and low humidity

The plastic becomes brittle if the switch is exposed to a low temperature, low humidity environment for long periods of time.

#### •High temperature and high humidity

Storage for extended periods of time (including transportation periods) at high temperature or high humidity levels or in atmospheres with organic gases or sulfide gases may cause a sulfide film or oxide film to form on the surfaces of the contacts and/or it may interfere with the functions. Check out the atmosphere in which the units are to be stored and transported.

#### GUIDELINES FOR POWER RELAYS AND HIGH-CAPACITY DC CUT OFF RELAYS USAGE

#### Package

In terms of the packing format used, make every effort to keep the effects of moisture, organic gases and sulfide gases to the absolute minimum.

#### Silicon

When a source of silicone substances (silicone rubber, silicone oil, silicone coating materials and silicone filling materials etc.) is used around the relay, the silicone gas (low molecular siloxane etc.) may be produced.

This silicone gas may penetrate into the inside of the relay. When the relay is kept and used in this condition, silicone compound may adhere to the relay contacts which may cause the contact failure. Do not use any sources of silicone gas around the relay (Including plastic seal types).

#### NOx Generation

When relay is used in an atmosphere high in humidity to switch a load which easily produces an arc, the NOx created by the arc and the water absorbed from outside the relay combine to produce nitric acid. This corrodes the internal metal parts and adversely affects operation. Avoid use at an ambient humidity of 85%RH or higher (at 20°C). If use at high humidity is unavoidable, please contact our sales representative.

#### Others

#### ■ Cleaning

- Although the environmentally sealed type relay (plastic sealed type, etc.) can be cleaned, avoid immersing the relay into cold liquid (such as cleaning solvent) immediately after soldering. Doing so may deteriorate the sealing performance.
- 2) Cleaning with the boiling method is recommended(The temperature of cleaning liquid should be  $40\,^{\circ}\text{C}$  or lower ).
  - Avoid ultrasonic cleaning on relays. Use of ultrasonic cleaning may cause breaks in the coil or slight sticking of the contacts due to ultrasonic energy.

Please refer to "the latest product specifications" when designing your product.

•Requests to customers:

https://industrial.panasonic.com/ac/e/salespolicies/

Panasonic Corporation
Electromechanical Control Business Division Please contact ..... ■ 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8506, Japan industrial.panasonic.com/ac/e/ **Panasonic** 

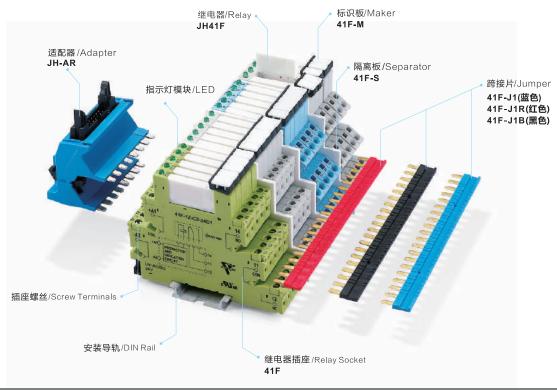
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Specifications are subject to change without notice.

# ZJWZJH

#### 结构示意图 / Structure Diagram



#### 型号说明 / Ordering Information



finger protection device

#### 性能参数/Specifications

插座型号 Type	额定电压 Rated voltage	额定电流 Rated current	环境温度 Temperature	继电器线圈输入电压 Input voltage	适用继电器额定电压 Apply to relay the rated voltage	输入电压极性 Input voltage polarity	螺钉扭矩 Screw torque	剥露导线长度 Stripped wire length
41F-1Z-C2-1	250VAC	6A	<b>-</b> 40°C~70°C	(12~24)V AC/DC	(12~24)V DC	无	0.5N.m	7mm
41F-1Z-C2-2	250VAC	6A	<b>-</b> 40°C~70°C	(48~60)V AC/DC	(48~60)V DC	无	0.5N.m	7mm
41F-1Z-C2-3	250VAC	6A	-40°C~55°C	(110~125)V AC/DC	60V DC	无	0.5N.m	7mm
41F-1Z-C2-4	250VAC	6A	-40°C~55°C	(220~240)V AC/DC	60V DC	无	0.5N.m	7mm
41F-1Z-C2-5	250VAC	6A	<b>-</b> 40°C~70°C	(6~24)V DC	(6~24)V DC	有	0.5N.m	7mm
41F-1Z-C4-1	250VAC	6A	<b>-</b> 40°C∼70°C	(12~24)V AC/DC	(12~24)V DC	无	_	7mm
41F-1Z-C4-2	250VAC	6A	<b>-</b> 40°C~70°C	(48~60)V AC/DC	(48~60)V DC	无	_	7mm
41F-1Z-C4-3	250VAC	6A	<b>-</b> 40°C~55°C	(110~125)V AC/DC	60V DC	无	_	7mm
41F-1Z-C4-4	250VAC	6A	-40°C~55°C	(220~240)V AC/DC	60V DC	无	-	7mm
41F-1Z-C4-5	250VAC	6A	<b>-</b> 40°C~70°C	(6~24)V DC	(6~24)V DC	有	-	7mm
41F-1Z-A	250VAC	6A	<b>-</b> 40°C~70°C	(6~60)V DC	(6~60)V DC	有	_	_

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

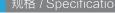
附件

JTB5

JH41F 继电器

41F

继电器插座



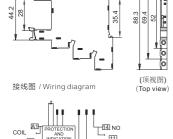
类型/Name	超薄型	型继电器插座 / Ultra-thin Relay so	ocket
型号/Type	41F-1Z-C2/1/2/3/4/5	41F-1Z-C4/1/2/3/4/5	41F-1Z-A
外观/Appearance			
额定电流 /Nominal current	6	iA	6A
额定电压 /Nominal voltage	250	VAC	250VAC
剥露导线长度/Wire strip Length	7r	nm	-
最大导线范围/Max wire size	1×2.5/1	× 1.5mm²	-
螺钉扭矩/Screw torque	0.5Nm	_	-
适用继电器/Suitable relay type	JH	41F	-
跨接片* /Jumper	41F-J1(蓝) 41F-J	41F-J1(蓝) 41F-J1R(红) 41F-J1B(黑)	
隔离板* /Separator	41F	S	-
标识板* /Maker	41F-M 41F-M1		41F <b>-</b> M
引出端和安装形式 Termination&mounting	螺钉式引出端,导轨式安装, 带手指保护结构 Screw terminal, DIN rail mounting, with finger protection device	弹簧式引出端,导轨式安装, 带手指保护结构 Spring-loaded terminal, DIN rail mounting, with finger protection device	印制板式引出端、印制板式安装 Printing plate terminal, printing plate installation

\*备注:如需配件请按型号订购。

#### 41F-1Z-C2

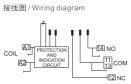








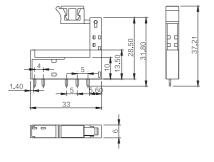
41F-1Z-C4

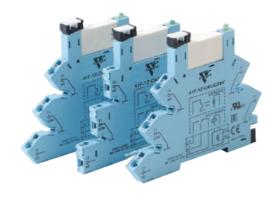


#### 41F-1Z-A









#### ■ Interface Module 41F

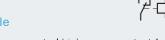
- ☐ Relay module up to 6 A 250 V, different contact materials
- ☐ Solid state modules for most loads DC and AC up to 2 A
- ☐ Coil UC = AC/DC, no protection circuit required
- ☐ LED status display
- ☐ Screw terminals or cage clamp terminals
- ☐ Jumper link
- ☐ Super small mounting: 6,2 mm

#### 41F Combo example 41F-1Z-C2/UC24V



• 41F Socket 41F-1Z-C2-1

#### 41F Interface module



With screw terminals (41F-1Z-C2) or cage clamp terminals (41F-1Z-C4).Recommended max.load 250 V6A resistive. Jumper link optional.



For PLC's and process control.high power contact AgNi

#### 性能参数/Specifications

#### Technical Data

- 1	Contact	1 CO
\	Switching current I <sub>TH</sub>	6A 250V AC
	Recommended minimal load	100mA / 12V
	Switch power DC-1 30V	180W
	Switch power AC-1 230V	1500VA
	Switch power DC-15 230V	300VA
	Peak inrush current	15A / 2.5ms
	Switching cycles:mech./elec.	10x10 <sup>6</sup> /3x10 <sup>4</sup>
	Isolation EN 61810-5	6 kv
Ъ	Operation voltage AC 50/60 Hz / DC	0.81.25U <sub>n</sub>
7	Power consumption P <sub>max</sub> 24V/230V	408 / 900mW
	On delay / release time	7 / 15ms
	Temp.:operating / storage	-4070°C / −4085°C

#### 41F Combo with screw terminals

n在使用過程中有疑問或建議,請聯系我們 E-mail: admin@wzji

Nominal coil voltage	
12V	41F-1Z-C2/UC12V 41F-1Z-C2/DC12V
24V	41F-1Z-C2/UC24V 41F-1Z-C2/DC24V
18V	41F-1Z-C2/UC48V 41F-1Z-C2/DC48V
60V	41F-1Z-C2/UC60V 41F-1Z-C2/DC60V
110-125V	41F-1Z-C2/UC110V
220-240V	41F-1Z-C2/UC220V

ZJ18F/ZJ18FT

ZJ14F/ZJ14FW

ZJ10F

ZJ13F

其它继电器插座

ZJ3F

ZJT90

ZJT93

附件

JTB5

JH41F 继电器

继电器插座



# 继电器&插座

### 41F 超薄型继电器插座

#### 性能参数/Specifications

#### ■ 41F Combo with cage clamp terminals

Nominal coil voltage	
12V	41F-1Z-C4/UC12V 41F-1Z-C4/DC12V
24V	41F-1Z-C4/UC24V 41F-1Z-C4/DC24V
18V	41F-1Z-C4/UC48V 41F-1Z-C4/DC48V
60V	41F-1Z-C4/UC60V 41F-1Z-C4/DC60V
110-125V	41F-1Z-C4/UC110V
220-240V	41F-1Z-C4/UC220V

#### Options

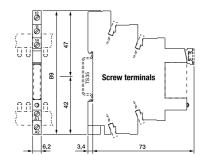
41F Lable

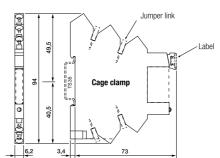
41F-S

41F Jumper link 41F-J(Blue) 41F-JR(Red)

41F-JB(Black)

41F Separator 41F-M





05 JINHONG

继电器插座

JH41F

继电器

#### 技术支持: 0577-5718 7518

#### JH-AR



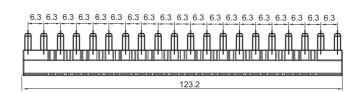
□ 适配器/Adapter

Technical data			Wiring diagram
Rated current (pe	er signa <b>l</b> path)	1A	
Minimum require	d supply power	3W	
Nominal voltage	(U <sub>N</sub> )	24V DC	2 3
Operating range		(0.8~1.1)Un	4 5 6
Control logic		Positive switching (to A)	78
Power supply sta	atus indication	Green LED	9 10 11
Ambient tempera	ature range	<b>-</b> 40°C∼+70°C	12 13
Terminals for 24	4V control logic		14
Type of connecto	or	14 pole, according to IEC 60603-13	
Terminals for 24	4V Power supp	ly	
Wire strip length		9.5mm	
Screw torque &	€	0.5Nm	
Max.wire size	solid wire .	1x4/2x1.5 mm²	
		1x12/2x16 AWG	
	stranded wire	1x2.5/2x1.5 mm²	+ A1 A2
		1x14/2x16 AWG	

#### □ 跨接片/Jumper

#### 41F-J1(蓝色)、41F-J1R(红色)、41F-J1B(黑色)



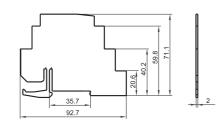




#### □ 隔离板 /Separator

#### 41F-S





#### □ 标识板 /Maker

41F-M1

#### 41F-M



