18FF Sockets

RELAY SOCKETS



Features

- The dielectric strength can reach 2000VAC and the insulation resistance is 1000MΩ
- Three mounting types are available: PCB mounting screw mounting and DIN rail mounting.
- With finger protection device
- Many kinds of plug-in modules are available with the function of energizing indication and wiring protection.
- Components available: retainer, marker and plug-in module
- Applicable relay types: HF18FF/HF18FH
- Environmental friendly product (RoHS compliant)

ORDERING INGFORMATION

18FF

-1Z

-C1

Type

Contact arrangement 1Z:1 Form C 2Z:2 Form C 3Z: 3 Form C 4Z: 4 Form C

Termination & mounting

A2: PCB terminal, PCB or Screw mounting

C1/C6: Screw terminal, DIN rail or Screw mounting, Without finger protection device **C2/C4/C5/C7/C8:** Screwless terminal, DIN rail mounting, With finger protection device

CHARACTERISTICS

Туре	Nominal	Nominal Current	Ambient Temperature	Dielectric Strength min.	Max wire size		Wire Strip	Screw Torque
	Voltage				mm ²	AWG	Length	Screw Torque
18FF-2Z-A2	250VAC	7A	-40 °C to 70°C	2000VAC				
18FF-2Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.8N · m
18FF-2Z-C2	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.8N · m
18FF-2Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-2Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-2Z-C6	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m
18FF-2Z-C7	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m
18FF-2Z-C8	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m
18FF-3Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.8N · m
18FF-3Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-3Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-4Z-A2	250VAC	7A	-40 °C to 70°C	2000VAC				
18FF-4Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.8N · m
18FF-4Z-C2	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.8N · m
18FF-4Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-4Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	1 x4 / 2 x2.5	1 x12 / 2 x14	7mm	0.6N · m
18FF-4Z-C6	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m
18FF-4Z-C7	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m
18FF-4Z-C8	250VAC	7A	-40 °C to 70°C	2000VAC	2 x1.5	2 x16	7mm	0.6N · m



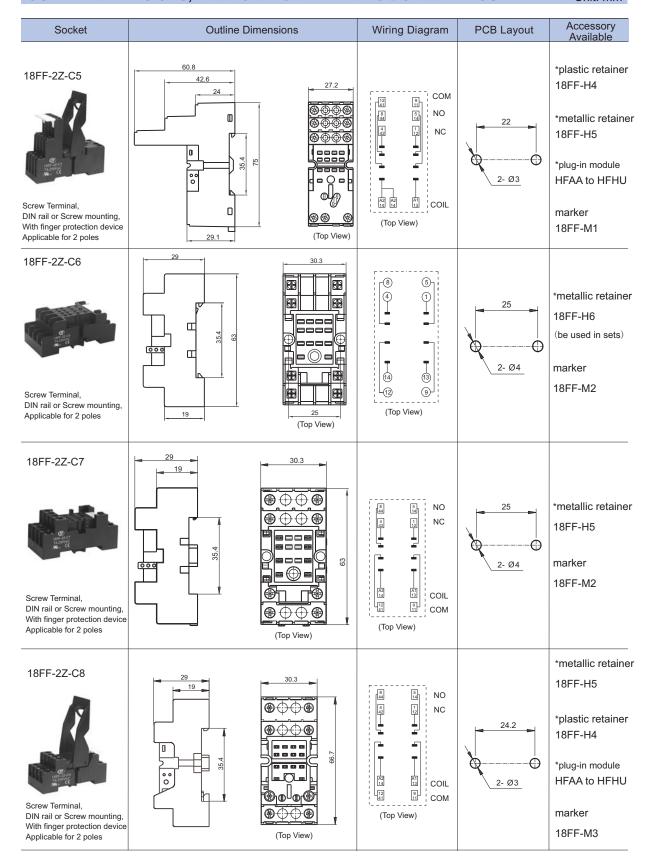
HONGFA RELAY

ISO9001, ISO/TS16949, ISO14001, OHSAS18001, IECQ QC 080000 CERTIFIED

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Accessory Available **Outline Dimensions** Wiring Diagram **PCB** Layout Socket 18FF-2Z-A2 _13.2_ *metallic retainer ٠ 18FF-H1 8-Ø1.3 13.2 (Top View) PCB Terminal, PCB mounting Applicable for 2 poles 2-4.2x5 2-Ø4.5 18FF-2Z-C1 -(4) _r(1) *metallic retainer 18FF-H2 (be used in sets) **(2**)-9-49 (3) Φ Screw Terminal, DIN rail or Screw mounting, (Top View) 16.5 Without finger protection device (Top View) Applicable for 2 poles 18FF-2Z-C2 **@ ® ⊕** *metallic retainer 18FF-H2 (be used in sets) **1**2-9-Screw Terminal, (Top View) DIN rail or Screw mounting, 16.5 With finger protection device Applicable for 2 poles (Top View) *plastic retainer 18FF-2Z-C4 27.2 18FF-H4 NO 5 14 844 442 423 **®OO®** 112 NC 0 *metallic retainer **®**OO® 18FF-H5 35.4 75.2 ____ \oplus *plug-in module A2 14 -0-2- Ø3 COIL HFAA to HFHU 12 41 9 11 COM Screw Terminal, 0 DIN rail or Screw mounting, (Top View) marker With finger protection device (Top View) 18FF-M1 Applicable for 2 poles

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

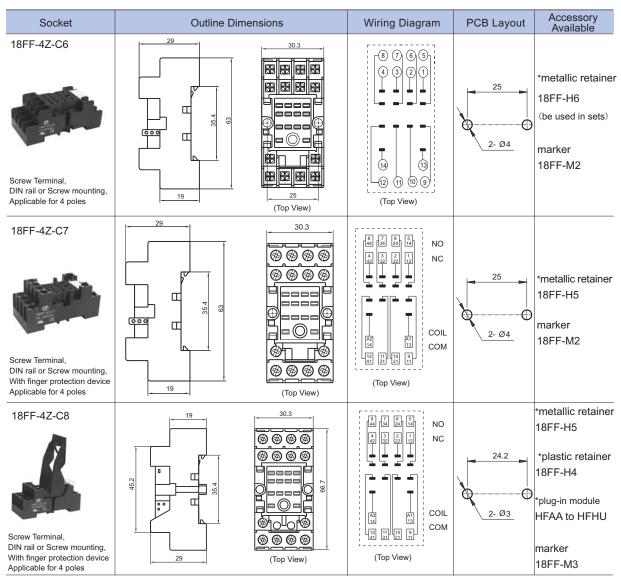
Unit: mm



OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Accessory Socket **Outline Dimensions** Wiring Diagram **PCB** Layout Available 18FF-3Z-C1 2-4.2X5 2-Ø4.5 (3)(2)(1) 5 4 *metallic retainer 18FF-H2 59 (be used in sets) Screw Terminal, L(11) (10) DIN rail or Screw mounting, Without finger protection 16.5 29.5 22 (Top View) (Top View) Applicable for 3 poles 27.2 42.6 18FF-3Z-C4 *plastic retainer 24 18FF-H4 **®** ₩₩ 6 34 5 24 14 NO 3 32 2 22 12 NC 0 **®** ₩₩ *metallic retainer 18FF-H5 000 - - - 35. *plug-in module A1 13 COIL 2- Ø3 HFAA to HFHU A2 14 СОМ 9 8 7 Screw Terminal, ®® marker 0 DIN rail or Screw mounting, (Top View) 18FF-M1 With finger protection device (Top View) Applicable for 3 poles 18FF-3Z-C5 60.8 *plastic retainer 42.6 24 18FF-H4 27.2 8 7 21 11 СОМ ∰ ∰ 嬼 6 34 5 24 14 NO ⊛ ₩₩ 22 *metallic retainer 3 32 2 22 NC ®® **(%)** 18FF-H5 *plug-in module 0 2- Ø3 HFAA to HFHU Screw Terminal, COIL DIN rail or Screw mounting, 0 marker ∰∰ Witht finger protection device (Top View) 18FF-M1 Applicable for 3 poles 29.1 (Top View) 18FF-4Z-A2 **9999** 28.8 0000 *metallic retainer 0 0 18FF-H1 4.4 13.2 21.5 14-Ø1.3 (Top View) (Top View) PCB Terminal, PCB mounting Applicable for 4 poles

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Accessory Socket **Outline Dimensions** Wiring Diagram **PCB** Layout Available 18FF-4Z-C1 2-Ø4.5 (3)(2)(1) 8 7 6 5 *metallic retainer 18FF-H2 26 (be used in sets) ****** Screw Terminal, @|@[|]@|@ DIN rail or Screw mounting, Withtout finger protection 4 4 13 16.5 E 22 device Applicable for 4 poles (Top View) (Top View) 18FF-4Z-C2 - 14-M3x8 2-Ø4.5 (3)(2)(1) 765 **₽₽₽** *metallic retainer 35.4 18FF-H2 59 (be used in sets) **₽⊕⊕**€ -12|10|10|19 $\oplus \oplus \oplus \oplus$ Screw Terminal. DIN rail or Screw mounting, 4 ¹4 13 16.5E With finger protection device 22 (Top View) Applicable for 4 poles (Top View) 18FF-4Z-C4 42.6 *plastic retainer 27.2 24 18FF-H4 8 7 6 5 44 34 24 14 NO ₩₩₩ 4 3 2 1 42 32 22 12 NC ®®®® *metallic retainer 22 18FF-H5 ____ *plug-in module -0-2- Ø3 HFAA to HFHU COIL ത്വത്വ COM Screw Terminal. 0 marker DIN rail or Screw mounting, (Top View) With finger protection device 18FF-M1 Applicable for 4 poles (Top View) 18FF-4Z-C5 60.8 *plastic retainer 42.6 24 18FF-H4 27.2 **888** 12 11 10 9 41 31 21 11 COM 8 7 6 5 44 34 24 14 *metallic retainer **\$** NO 3 32 2 22 1 12 18FF-H5 **®®®**® NC 0000 35.4 *plug-in module ő HFAA to HFHU 2- Ø3 marker COIL DIN rail or Screw mounting, ∰∰ 18FF-M1 With finger protection device (Top View) Applicable for 4 poles 29.1 (Top View)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



Notes: * If need accesscry,please order with type.

DIMENSION OF RELATED ACCESSORY (AVAILABLE)

Unit: mm

Unit: mm

Retainer

18FF-H1 (metallic retainer)

30.8

2-R2

0.3

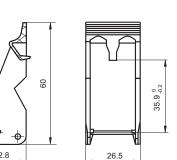
44.5±02 1.25.6 ±0.1 1.00 1.

18FF-H2 (metallic retainer)

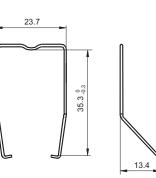
Remark: 18FF-H2 retainer has to be used in sets, please pay special attention while placing the order.

Retainer

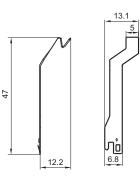
18FF-H4 (plastic retainer)



18FF-H5 (metallic retainer)



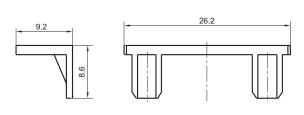
18FF-H6 (metallic retainer)



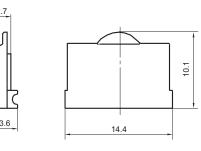
Remark: 18FF-H6 retainer has to be used in sets, please pay special attention while placing the order.

Marker

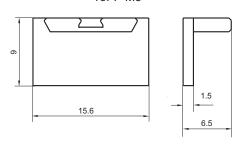
18FF-M1



18FF-M2



18FF-M3



Things to be noticed when selecting sockets:

- 1. Please choose suitable relay socket according to the actual mounting environment, relay contact poles and terminal layout. If there is any query on selection, please contact Hongfa for the technical service.
- 2. Socket which can be mounted with markers is furnished with a marker; If need markers ,please order with type.

Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

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