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)

CHARACTERISTICS

Туре	Nominal Voltage	Nominal Current	Ambient Temperature	Dielectric Strength min.	Screw Torque	Wire Strip Length
18FF-2Z-A2	250VAC	7A	-40 °C to 70°C	2000VAC	_	_
18FF-2Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	0.8N · m	7mm
18FF-2Z-C2	250VAC	7A	-40 °C to 70°C	2000VAC	0.8N · m	7mm
18FF-2Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N · m	7mm
18FF-2Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-2Z-C6	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N · m	7mm
18FF-2Z-C7	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-2Z-C8	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N · m	7mm
18FF-3Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	0.8N · m	7mm
18FF-3Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N · m	7mm
18FF-3Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-4Z-A2	250VAC	7A	-40 °C to 70°C	2000VAC	_	_
18FF-4Z-C1	250VAC	7A	-40 °C to 70°C	2000VAC	0.8N·m	7mm
18FF-4Z-C2	250VAC	7A	-40 °C to 70°C	2000VAC	0.8N · m	7mm
18FF-4Z-C4	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-4Z-C5	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-4Z-C6	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-4Z-C7	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm
18FF-4Z-C8	250VAC	7A	-40 °C to 70°C	2000VAC	0.6N ⋅ m	7mm

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

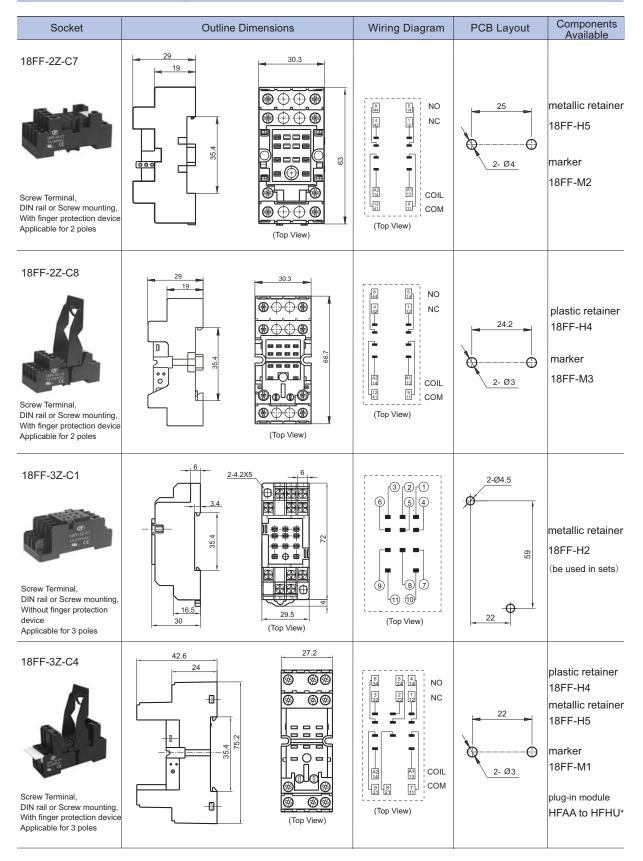
Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Components Available
PCB Terminal, PCB mounting Applicable for 2 poles	21.8 13.2 13.2 14 16 (Top View)		8-01.3	metallic retainer

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Components Socket **Outline Dimensions** Wiring Diagram **PCB** Layout 2-4.2x5 18FF-2Z-C1 3.4 -(4) r(1) metallic retainer 18FF-H2 (be used in sets) @_ -വദ് Ф Screw Terminal, DIN rail or Screw mounting, (Top View) _16.5 Applicable for 2 poles 23max (Top View) 2-4.2x5 18FF-2Z-C2 2-Ø4.5 -@_r① (8)metallic retainer 35.4 18FF-H2 (be used in sets) 0 L₀₉ (3 Screw Terminal. Φ (Top View) DIN rail or Screw mounting. 16.5 With finger protection device Applicable for 2 poles (Top View) 42.6 18FF-2Z-C4 plastic retainer NO 5 14 18FF-H4 Θ 4 42 1 NC 1 12 0 metallic retainer ļ **®**00**®** 18FF-H5 _ 0000 35.4 ____ marker -0-A2 14 A1 13 2- Ø3 COIL 18FF-M1 12 41 9 11 COM Screw Terminal. 0 (Top View) DIN rail or Screw mounting, plug-in module **®**OO**®** With finger protection device HFAA to HFHU* Applicable for 2 poles (Top View) 60.8 18FF-2Z-C5 42.6 plastic retainer 24 COM 9 11 18FF-H4 NO 8 44 5 14 0 metallic retainer 1 12 4 42 NC 18FF-H5 0 ---marker 2- Ø3 18FF-M1 olf A2 A2 14 14 A1 13 COIL Screw Terminal, 0 plug-in module DIN rail or Screw mounting, ∰∰ (Top View) With finger protection device Applicable for 2 poles HFAA to HFHU* (Top View) 29.1 18FF-2Z-C6 -(8) **5**7 **B 3** 4 1 metallic retainer 88 25 18FF-H6 П (be used in sets) ____ Ш T (14) 2- Ø4 marker (13) 18FF-M2 L-12) 9-Screw Terminal. DIN rail or Screw mounting, (Top View) 19 Applicable for 2 poles (Top View)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

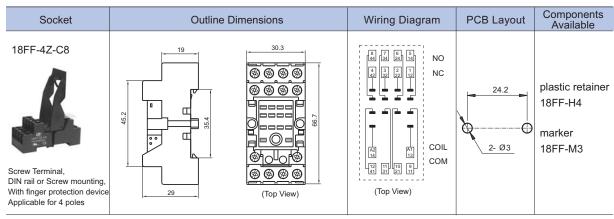


OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Components Socket **Outline Dimensions** Wiring Diagram **PCB** Layout Available 18FF-3Z-C5 42.6 plastic retainer СОМ 10 9 21 11 24 18FF-H4 6 24 5 14 NO ∰∰ metallic retainer 4 42 2 1 12 **®** NC ₩₩ 22 18FF-H5 ⊛ ®® lo marker 18FF-M1 2- Ø3 COIL A1 13 plug-in module Screw Terminal, DIN rail or Screw mounting, (Top View) HFAA to HFHU* ∰∰ ⊛ Witht finger protection device Applicable for 3 poles 29.1 (Top View) 18FF-4Z-A2 21.8 0000 62 0000 metallic retainer 0 18FF-H1 13.2 14-Ø1.3 (Top View) (Top View) PCB Terminal. PCB mounting Applicable for 4 poles 18FF-4Z-C1 14-M3 x 8 2-Ø4.5 321 388 8765 **3000** metallic retainer 18FF-H2 35.4 59 (be used in sets) **33 33 33 33** Screw Terminal, 12 10 10 10 DIN rail or Screw mounting, Withtout finger protection 16.5E 4¹49 13¹ 22 device Applicable for 4 poles (Top View) (Top View) 18FF-4Z-C2 _ 14-M3x8 2-4.2x5 2-Ø4.5 (3)(2)(1) 765 瘵ΦΦ₩ metallic retainer 18FF-H2 • • 59 (be used in sets) ∌⊕⊕⊎ **⊕ ⊕ ⊕** ⊕ Screw Terminal, (4) (14) (13) DIN rail or Screw mounting, With finger protection device 16.5 29.5 22 Applicable for 4 poles (Top View) (Top View)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm Components Socket **Outline Dimensions** Wiring Diagram **PCB** Layout Available 18FF-4Z-C4 plastic retainer 8 7 6 5 44 34 24 14 NO 18FF-H4 ₩₩₩ 4 3 2 1 42 32 22 12 NC -0 metallic retainer $\otimes \otimes \otimes \otimes$ 22 18FF-H5 ___ marker 18FF-M1 -0-2- Ø3 COIL A2 14 COM 12 11 10 9 41 31 21 11 plug-in module Screw Terminal, -0 DIN rail or Screw mounting, $\otimes \otimes \otimes \otimes$ HFAA to HFHU* With finger protection device (Top View) Applicable for 4 poles (Top View) 18FF-4Z-C5 60.8 42.6 plastic retainer 18FF-H4 12 11 10 9 41 31 21 11 COM $\Theta \Theta \Theta \Theta$ metallic retainer **⊗**⊗⊗ 7 6 5 34 24 14 NO 22 18FF-H5 3 32 22 **\$\$\$** NC 0 0000 marker ° 18FF-M1 2- Ø3 plug-in module Screw Terminal, A2 A2 14 14 COIL П DIN rail or Screw mounting, ∰∰ HFAA to HFHU* With finger protection device (Top View) 29.1 (Top View) Applicable for 4 poles 18FF-4Z-C6 -8 7₁ 6₁ 5₁ 4321 metallic retainer 18FF-H6 **1**0000 (be used in sets) П 2- Ø4 13 marker T (14) 18FF-M2 -12 11 10 9 DIN rail or Screw mounting, 19 Applicable for 4 poles (Top View) (Top View) 18FF-4Z-C7 7 6 5 34 24 14 NO 62 22 NC ● ● ● ● metallic retainer **4**6666 18FF-H5 Ш П marker COIL 2- Ø4 A2 14 A1 13 18FF-M2 COM 12 11 10 9 41 31 21 11 Screw Terminal. DIN rail or Screw mounting, With finger protection device (Top View) Applicable for 4 poles 19 (Top View)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm



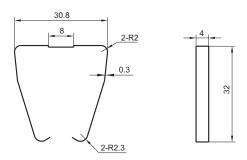
Notes: * Please refer to the product datasheet if plug-in module is required.

DIMENSION OF RELATED COMPOENT (AVAILABLE)

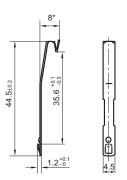
Unit: mm

Retainer

18FF-H1 (metallic retainer)

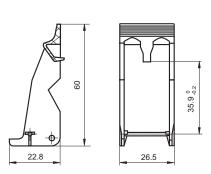


18FF-H2 (metallic retainer)

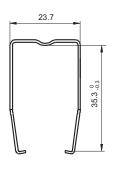


Remark: 18FF-H2 retainer has to be used in sets, please pay special attention while placing the order.

18FF-H4 (plastic retainer)

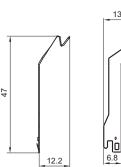


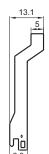
18FF-H5 (metallic retainer)



13.4

18FF-H6 (metallic retainer)

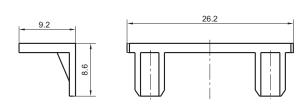




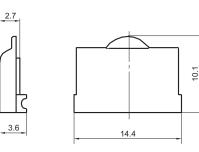
Remark: 18FF-H6 retainer has to be used in sets, please pay special attention while placing the order.

Marker

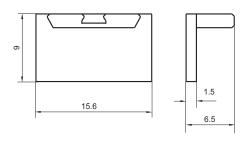
18FF-M1



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; as for other related components, they should be selected separately. Please do give clear indication of the types of relay sockets and related components you choose while placing order.

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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