

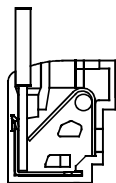
18FF Series

Push-In Relay Socket



ORDERING INFORMATION

Type	18FF	-2Z	-C10
Contact arrangement	2Z: 2 Form C 4Z: 4 Form C		
Termination & mounting	C10: Push-In C10/P: Push-in with button		




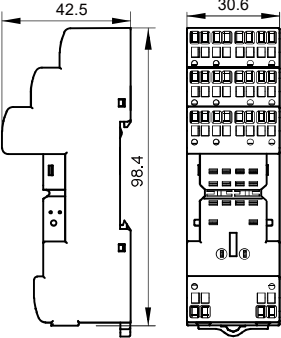
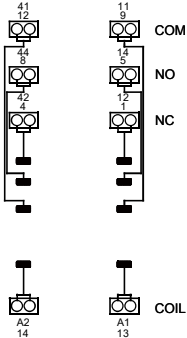

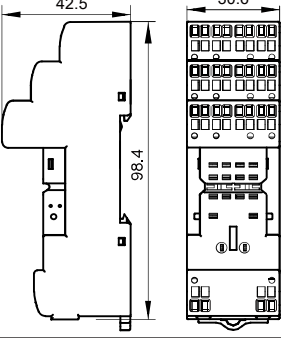
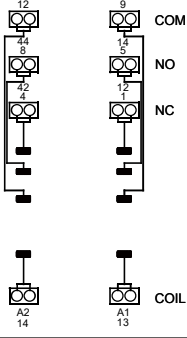
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CHARACTERISTICS

Type	Nominal Voltage	Nominal Current	Ambient Temperature	Dielectric Strength min.	Screw Torque	Wire Strip Length	Unit weight	Min. package qty.	IP
18FF-2Z-C10	300VAC/DC	10A	-40℃ to 70℃	2000 Vrms	—	10mm	Approx.57g	10	IP 20
18FF-2Z-C10/P	300VAC/DC	10A	-40℃ to 70℃	2000 Vrms	—	10mm	Approx.58g	10	IP 20
18FF-4Z-C10	300VAC/DC	6A*	-40℃ to 70℃	2000 Vrms	—	10mm	Approx.65g	10	IP 20
18FF-4Z-C10/P	300VAC/DC	6A*	-40℃ to 70℃	2000 Vrms	—	10mm	Approx.66g	10	IP 20

Note: The total current of "*" sockets shall not exceed 20A.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Socket (If need accessry,please order with type.)	Outline Dimensions	PCB Layout	Accessory Available
18FF-2Z-C10 			Retainer: 18FF-H4 18FF-H5 Jumper: 18FF-J2 Marker: 18FF-M1 Plug-in module: HFAA~HFHU
18FF-2Z-C10/P 			Retainer: 18FF-H4 18FF-H5 Jumper: 18FF-J2 Marker: 18FF-M1 Plug-in module: HFAA~HFHU


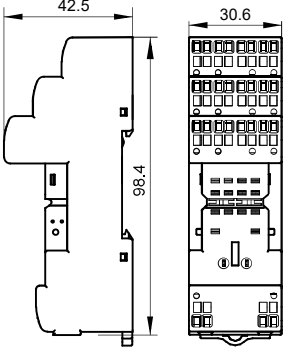
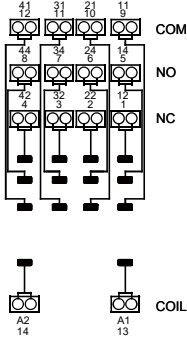

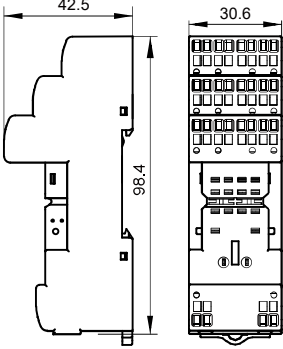
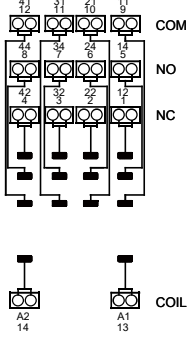


HONGFA RELAY

ISO9001, IATF16949, ISO14001, ISO45001, IECQ QC 080000, ISO/IEC 27001 CERTIFIED

2024 Rev. 1.00

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Socket (If need accesscry,please order with type.)	Outline Dimensions	PCB Layout	
18FF-4Z-C10 			Retainer: 18FF-H4 18FF-H5 Jumper: 18FF-J2 Marker: 18FF-M1 Plug-in module: HFAA~HFHU
18FF-4Z-C10/P 			Retainer: 18FF-H4 18FF-H5 Jumper: 18FF-J2 Marker: 18FF-M1 Plug-in module: HFAA~HFHU

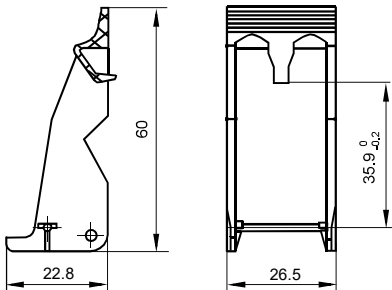
Notes: If need accesscry,please order with type.

DIMENSION OF RELATED ACCESSORY (AVAILABLE)

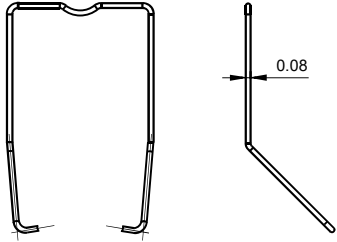
Unit: mm

Retainer

18FF-H4(Plastic retainer)



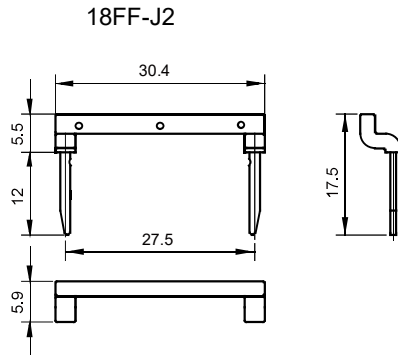
18FF-H5(Metallic retainer)



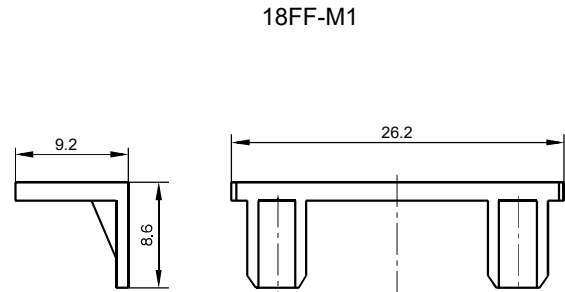
DIMENSION OF RELATED ACCESSORY (AVAILABLE)

Unit: mm

Jumper



Marker



SELECTION OF PARTS

Type of Relay	Mounting termination	Socket	Retainer	Marker	Module
HF18FF/□□-2Z1□□□	without button	18FF-2Z-A2	18FF-H1	—	—
		18FF-2Z-C1	18FF-H2/H3		
		18FF-2Z-C2			
		18FZ-2Z-C2			
		18FF-2Z-C4		18FF-M1	HFAA~HFHU
		18FF-2Z-C5			
		18FF-2Z-C8	18FF-H4/H5	18FF-M3	
		18FF-2Z-C9			
		18FF-2Z-C10			
		18FF-3Z-C4		18FF-M1	
18FF-3Z-C5					
HF18FF/□□-4Z1□□□		18FF-4Z-A2	18FF-H1	—	—
		18FF-4Z-C1	18FF-H2		
		18FF-4Z-C2			
		18FZ-4Z-C2			
		18FF-4Z-C4	18FF-H4/H5	18FF-M1	HFAA~HFHU
		18FF-4Z-C5			
		18FF-4Z-C8		18FF-M3	
		18FF-4Z-C9			
		18FF-4Z-C10		18FF-M1	
	HF18FH/□□-2Z1□□□	with button	18FF-2Z-C1	18FF-H3	-
18FF-2Z-C2					
18FZ-2Z-C2					
18FF-2Z-C4			18FF-H4/H5	18FF-M1	HFAA~HFHU
18FF-2Z-C5					
18FF-2Z-C8				18FF-M3	
18FF-2Z-C9					
18FF-2Z-C10					
18FF-3Z-C4				18FF-M1	
18FF-3Z-C5					
HF18FH/□□-3Z1□□□					

SELECTION OF PARTS

Type of Relay	Mounting termination	Socket	Retainer	Marker	Module		
HF18FH/□□-4Z1□□□	with button	18FF-4Z-C4	18FF-H4/H5	18FF-M1	HFAA~HFHU		
		18FF-4Z-C5					
		18FF-4Z-C8					
		18FF-4Z-C9					
		18FF-4Z-C10					
HF18FF-G/□□-2Z1□□□	without button	18FF-2Z-C1(734)	18FF-H2/H3	-	-		
		18FF-2Z-C2(734)					
18FF-2Z-C4(734)		18FF-H4/H5	18FF-M1	HFAA~HFHU			
18FF-2Z-C5(734)							
18FF-3Z-C5(734)							
HF18FF-G/□□-3Z1□□□							
HF18FH-G/□□-2Z1□□□	with button	18FF-2Z-C1(734)	18FF-H3	-	-		
		18FF-2Z-C2(734)					
18FF-2Z-C4(734)		18FF-H4/H5	18FF-M1	HFAA~HFHU			
18FF-2Z-C5(734)							
18FF-3Z-C5(734)							
HF18FH-G/□□-3Z1□□□							
HF18FZ/□□-2Z□□□1/2□	without button	18FF-2Z-A2	18FF-H1	—	—		
		18FF-2Z-C1	18FF-H2/H3				
		18FF-2Z-C2					
		18FZ-2Z-C2					
		18FF-2Z-C4	18FF-H4/H5	18FF-M1	HFAA~HFHU		
		18FF-2Z-C5					
		18FF-2Z-C8					
		18FF-2Z-C9					
		18FF-2Z-C10					
		18FF-4Z-A2	18FF-H1	—	—		
18FF-4Z-C1		18FF-H2					
18FF-4Z-C2							
18FZ-4Z-C2							
HF18FZ/□□-4Z□□□1/2□		without button	18FF-4Z-C4	18FF-H4/H5	18FF-M1	HFAA~HFHU	
			18FF-4Z-C5				
			18FF-4Z-C8				
			18FF-4Z-C9				
			18FF-4Z-C10				
	18FF-4Z-C10						
HF18FZ/□□-2Z□□□3□	with button		18FF-2Z-C1	18FZ-H1	—	—	
			18FF-2Z-C2				
			18FZ-2Z-C2				
			18FF-2Z-C4	18FF-H4	18FF-M1	HFAA~HFHU	
			18FF-2Z-C5				
			18FF-2Z-C8				
			18FF-2Z-C9				
			18FF-2Z-C10				

SELECTION OF PARTS

Type of Relay	Mounting termination	Socket	Retainer	Marker	Module
HF18FZ/□□-4Z□□□3□	with button	18FF-4Z-C1	18FZ-H1	—	—
		18FF-4Z-C2			
		18FZ-4Z-C2			
		18FF-4Z-C4	18FF-H4	18FF-M1	HFAA~HFHU
		18FF-4Z-C5		18FF-M3	
		18FF-4Z-C8		18FF-M1	
		18FF-4Z-C9			
		18FF-4Z-C10			

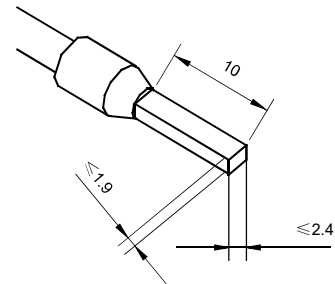
Precautions For Use

For your personal safety and the normal operation of the equipment, as well as to prevent fire, please note the following issues:

- 1.The rated current of the socket should be no less than the rated current of the relay.
- 2.Sockets are required to be firmly fixed to prevent the wiring from loosening and affecting the quality of wiring.
- 3.Be sure to disconnect power to the outlet before installation, disassembly, wiring, maintenance and inspection.
- 4.Prevent foreign objects such as wire shavings from falling inside this product when wiring.
- 5.Be sure to install the relay in place, and use accessories such as retainer if necessary to improve contact reliability. Do not use with incomplete connections.
- 6.Be sure to observe the relay ratings and do not overload the relay.
- 7.Before selecting a relay, make sure that the drive voltage matches the relay excitation voltage.

Applicable conductor cross section

solid wire	1×0.5/0.75/1.0/1.5/2.5 mm ²	
	2×0.5/0.75/1.0/1.5 mm ²	
Multi-stranded wire	Multi-stranded wire without standard sleeve	1×0.5/0.75/1.0/1.5/2.5 mm ²
		2×0.5/0.75/1.0/1.5 mm ²
	Multi-stranded wire with standard sleeve	1×0.5/0.75/1.0/1.5 mm ²
		2×0.5/0.75/1.0 mm ²

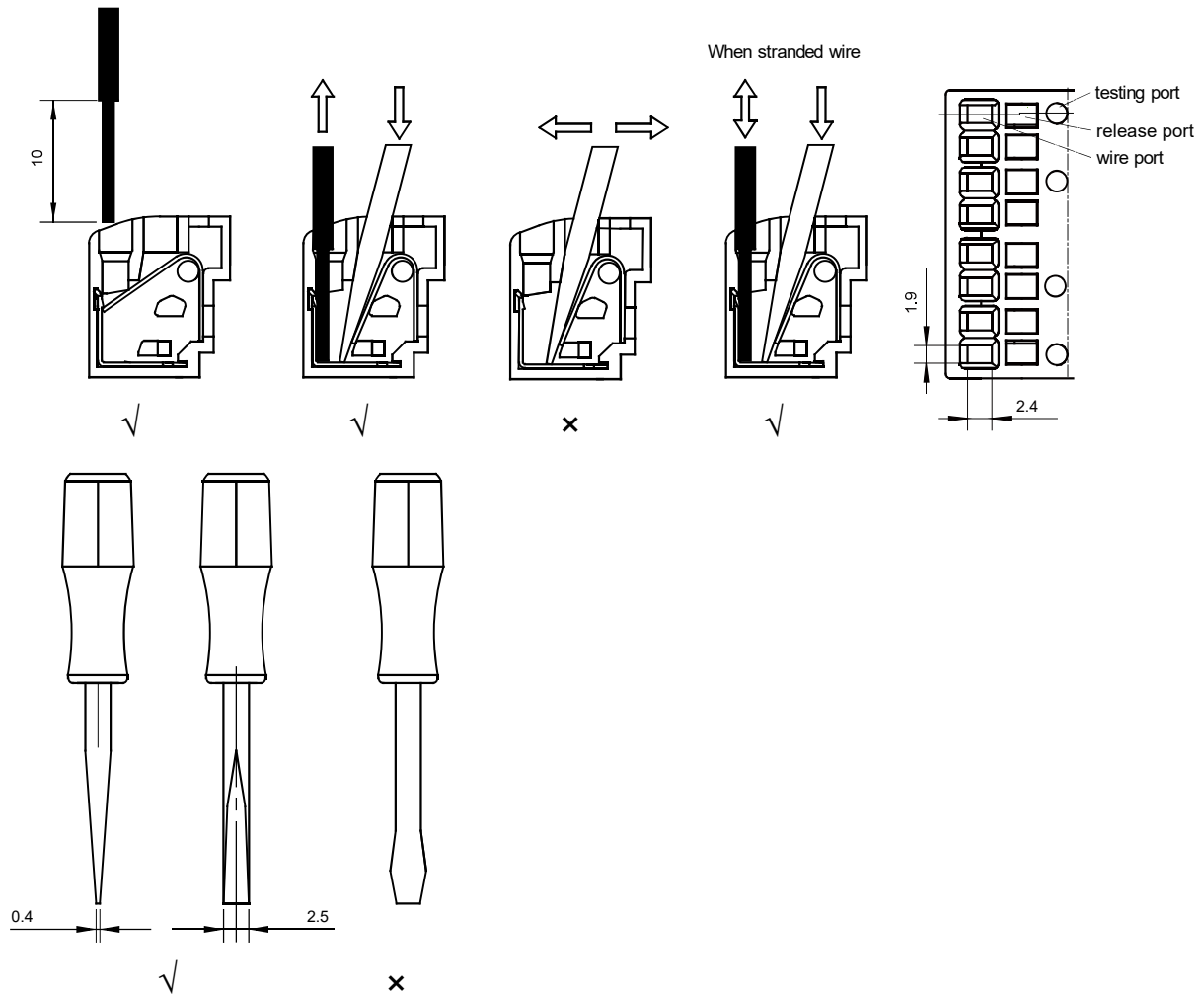


Regarding push in socket

- The screwdriver insertion hole must not be wired.
 - When inserting the screwdriver into the hole, please insert it at an angle.
 - Do not twist or wiggle the screwdriver when it is in the hole, as this may cause damage the socket.
 - Do not forcibly bend or pull on the wire. Otherwise it may result broken wire.
 - Do not insert more than one wires into one wiring hole.
 - To prevent smoke and fire from the wiring material, check the power supply rating and that the wire sleeves used are in accordance with DIN 46228-4.
- The conductors used comply with GB/T 5023.3-2008 (IEC 60227-3) standard.

Recommended Wires	Film peel (when bar terminals are not used)
0.5~2.5mm ² /AWG20~14	≥10mm

Precautions For Use



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. Relevant accessories must be selected separately. Please indicate the model of the selected accessories when ordering;
3. Main outline dimension, outline dimension $> 50\text{mm}$, tolerance should be $\pm 1\text{mm}$; $20\text{mm} < \text{outline dimension} \leq 50\text{mm}$, tolerance should be $\pm 0.5\text{mm}$; $5\text{mm} < \text{outline dimension} \leq 20\text{mm}$, tolerance should be $\pm 0.4\text{mm}$, outline dimension $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$;
4. DIN rail mounting: recommend to use standard rail $35 \times 7.5 \times 1\text{mm}$, $35 \times 15 \times 1\text{mm}$. When installed vertically, the coil terminal at the bottom please .

Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications 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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