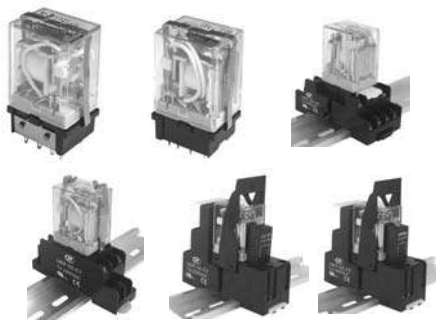
18FF Sockets RELAY SOCKETS

CE

cULus

File No.: E253370



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

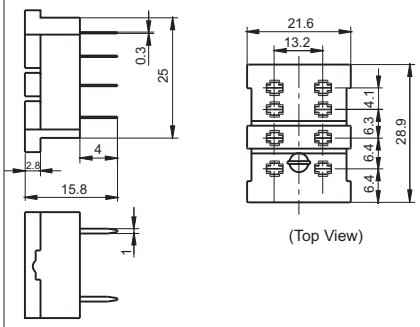
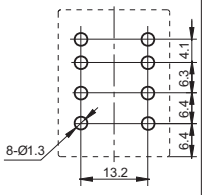
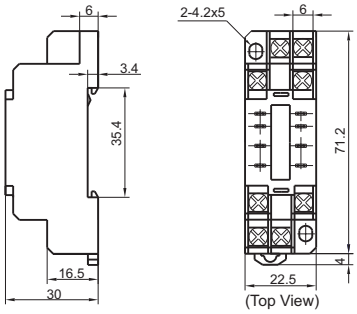
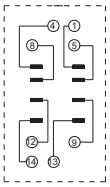
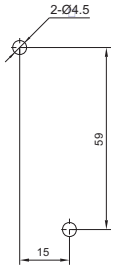
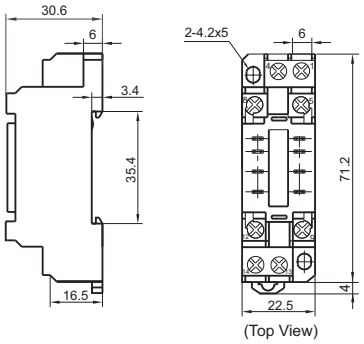
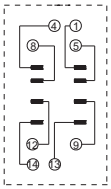
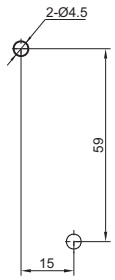
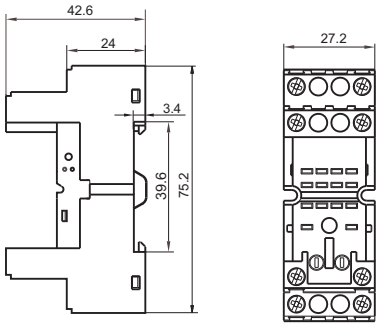
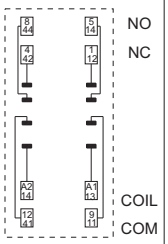
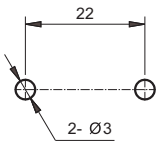
	18FF	-1Z	-C1
Type			
Contact arrangement	**1Z:** 1 Form C **2Z:** 2 Form C **3Z:** 3 Form C **4Z:** 4 Form C		
Termination & mounting	**A2:** PCB terminal, PCB or Screw mounting **C1/C6:** Screw terminal, DIN rail or Screw mounting,Without finger protection device **C2/C4/C5/C7/C8:** Screwless terminal, DIN rail mounting,With finger protection device		

CHARACTERISTICS

Type	Nominal Voltage	Nominal Current	Ambient Temperature	Dielectric Strength min.	Max wire size		Wire Strip Length	Screw Torque
					mm^2	AWG		
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

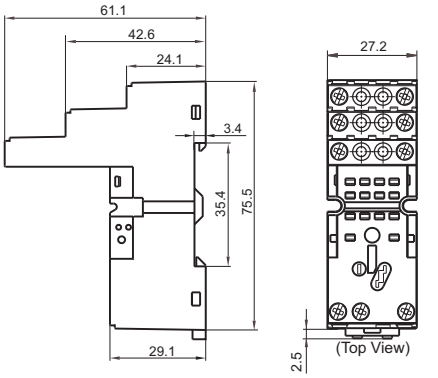
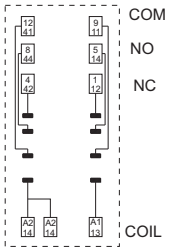
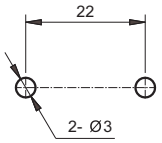
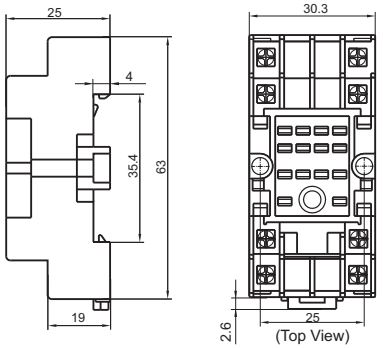
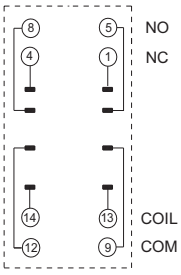
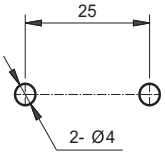
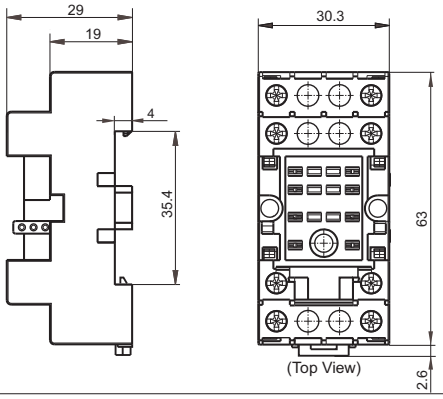
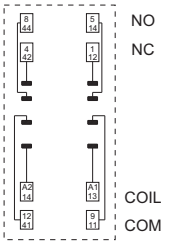
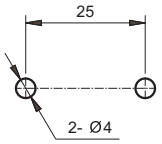
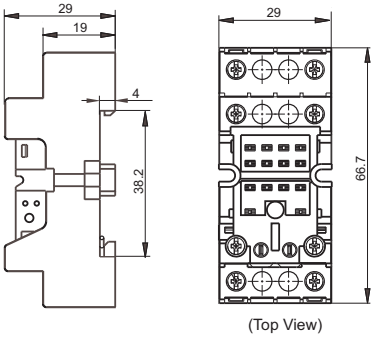
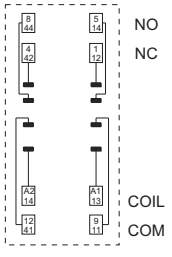
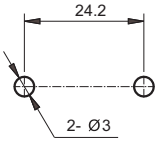
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Accessory Available
18FF-2Z-A2  PCB Terminal, PCB mounting Applicable for 2 poles	 (Top View)			*metallic retainer 18FF-H1
18FF-2Z-C1  Screw Terminal, DIN rail or Screw mounting, Without finger protection device Applicable for 2 poles	 (Top View)	 (Top View)		*metallic retainer 18FF-H2 (be used in sets)
18FF-2Z-C2  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 2 poles	 (Top View)	 (Top View)		*metallic retainer 18FF-H2 (be used in sets)
18FF-2Z-C4  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 2 poles	 (Top View)	 (Top View)		*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1

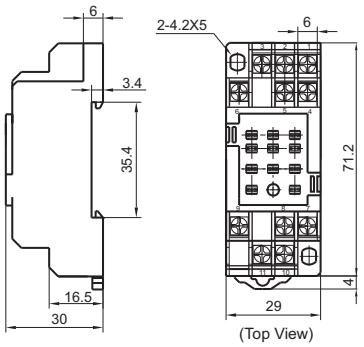
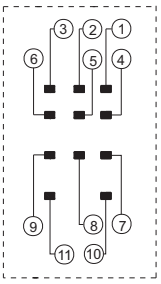
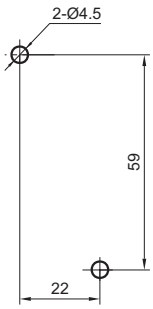
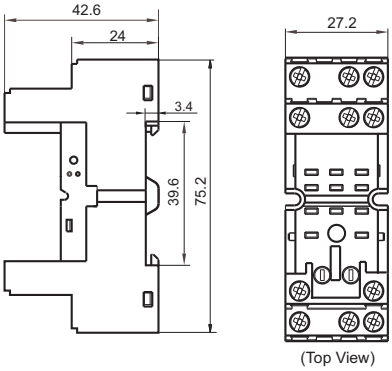
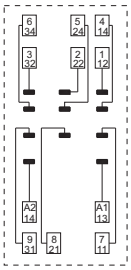
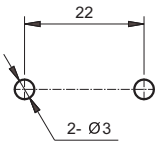
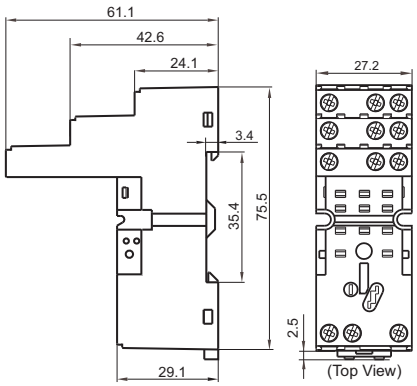
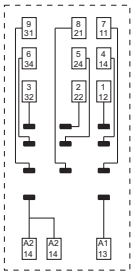
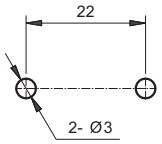
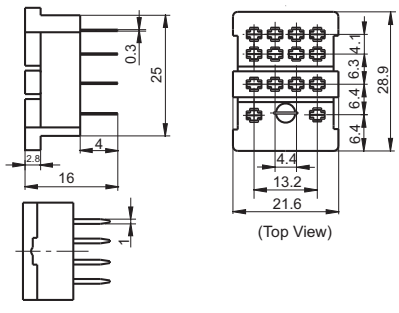
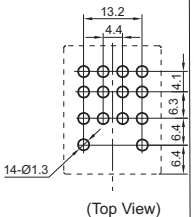
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Accessory Available
18FF-2Z-C5  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 2 poles				*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1
18FF-2Z-C6  Screw Terminal, DIN rail or Screw mounting, Applicable for 2 poles				*metallic retainer 18FF-H6 (be used in sets) marker 18FF-M2
18FF-2Z-C7  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 2 poles				*metallic retainer 18FF-H5 marker 18FF-M2
18FF-2Z-C8  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 2 poles				*metallic retainer 18FF-H5 *plastic retainer 18FF-H4 *plug-in module HFAA to HFHU marker 18FF-M3

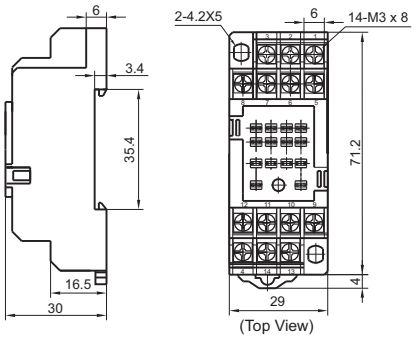
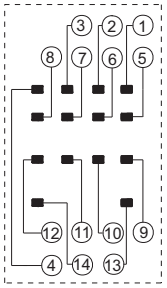
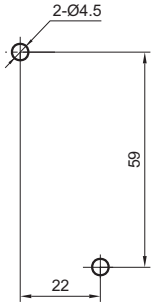
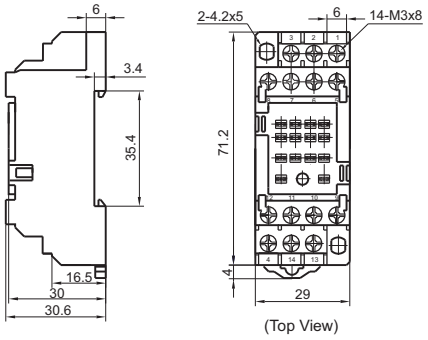
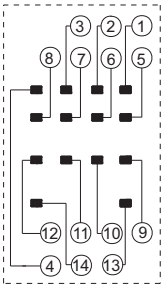
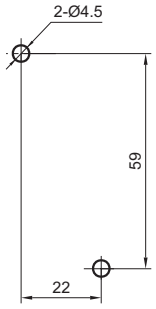
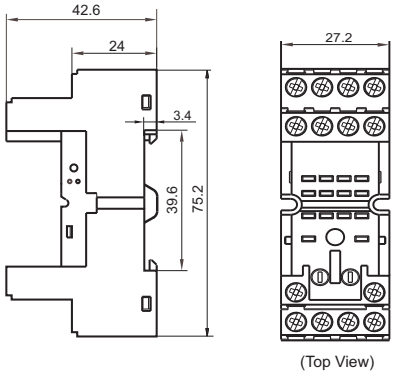
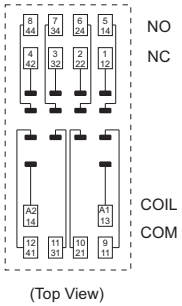
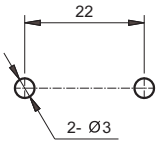
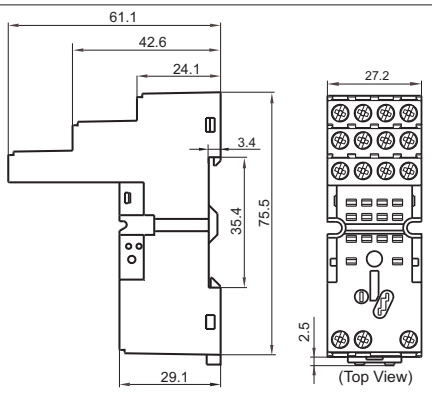
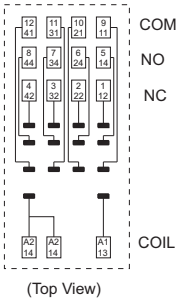
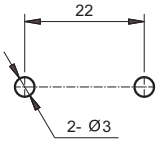
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Accessory Available
18FF-3Z-C1  Screw Terminal, DIN rail or Screw mounting, Without finger protection device Applicable for 3 poles		 (Top View)		*metallic retainer 18FF-H2 (be used in sets)
18FF-3Z-C4  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 3 poles		 (Top View)		*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1
18FF-3Z-C5  Screw Terminal, DIN rail or Screw mounting, Witht finger protection device Applicable for 3 poles		 (Top View)		*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1
18FF-4Z-A2  PCB Terminal, PCB mounting Applicable for 4 poles				*metallic retainer 18FF-H1

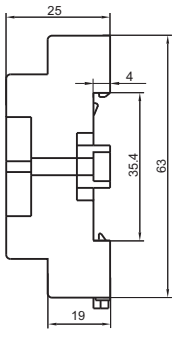
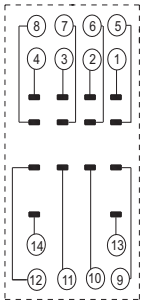
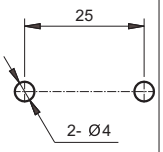
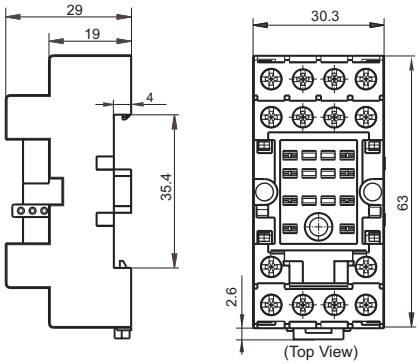
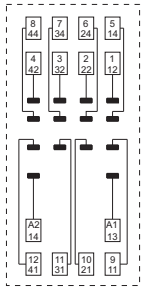
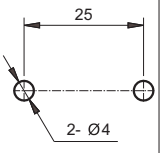
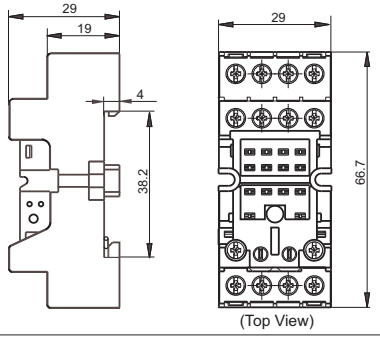
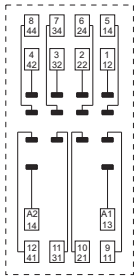
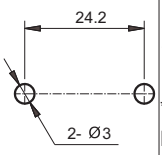
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Accessory Available
18FF-4Z-C1  Screw Terminal, DIN rail or Screw mounting, Withtout finger protection device Applicable for 4 poles				*metallic retainer 18FF-H2 (be used in sets)
18FF-4Z-C2  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 4 poles				*metallic retainer 18FF-H2 (be used in sets)
18FF-4Z-C4  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 4 poles				*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1
18FF-4Z-C5  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 4 poles				*plastic retainer 18FF-H4 *metallic retainer 18FF-H5 *plug-in module HFAA to HFHU marker 18FF-M1

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Socket	Outline Dimensions	Wiring Diagram	PCB Layout	Accessory Available
18FF-4Z-C6  Screw Terminal, DIN rail or Screw mounting, Applicable for 4 poles		 (Top View)		*metallic retainer 18FF-H6 (be used in sets) marker 18FF-M2
18FF-4Z-C7  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 4 poles		 (Top View)		*metallic retainer 18FF-H5 marker 18FF-M2
18FF-4Z-C8  Screw Terminal, DIN rail or Screw mounting, With finger protection device Applicable for 4 poles		 (Top View)		*metallic retainer 18FF-H5 *plastic retainer 18FF-H4 *plug-in module HFAA to HFHU marker 18FF-M3

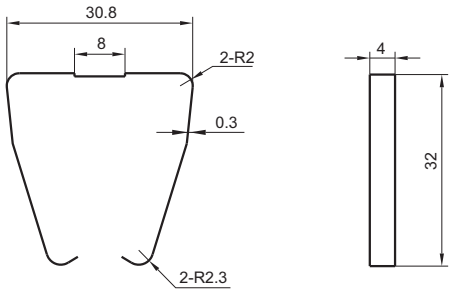
Notes: * If need accesscry,please order with type.

DIMENSION OF RELATED ACCESSORY (AVAILABLE)

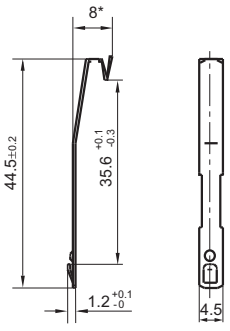
Unit: mm

Retainer

18FF-H1 (metallic retainer)



18FF-H2 (metallic retainer)



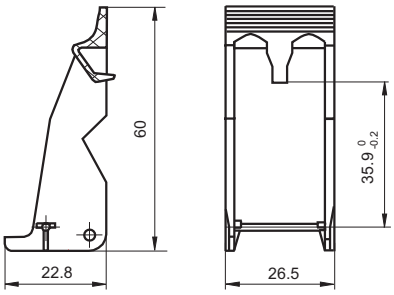
Remark: 18FF-H2 retainer has to be used in sets, please pay special attention while placing the order.

DIMENSION OF RELATED ACCESSORY (AVAILABLE)

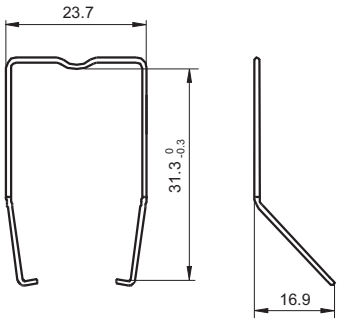
Unit: mm

Retainer

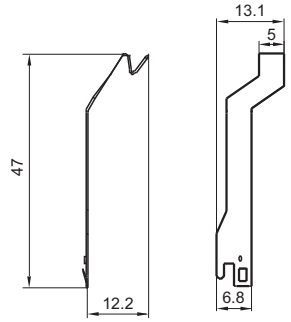
18FF-H4 (plastic retainer)



18FF-H5 (metallic retainer)



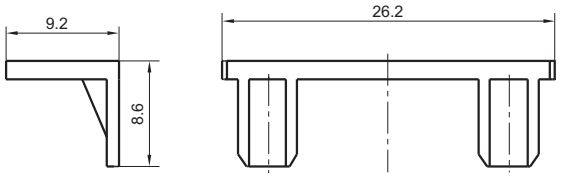
18FF-H6 (metallic retainer)



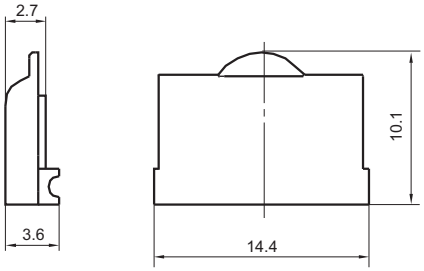
Remark: 18FF-H6 retainer has to be used in sets, please pay special attention while placing the order.

Marker

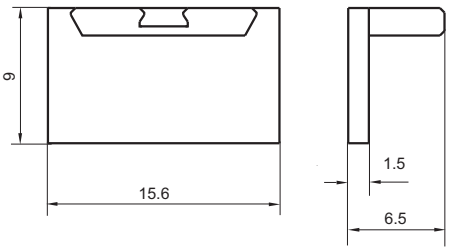
18FF-M1



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.
3. Main outline dimension(L, W, H) ≥50mm, tolerance should be ±1mm; outline dimension ＞20mm and ＜50mm, tolerance should be ±0.5mm; outline dimension ≤20mm, tolerance should be ±0.3mm.

Disclaimer

TThe 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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