SAFETY APPROVAL RATINGS				
UL/CUL (AgNi, AgSnO2)	version 1,3,5,6	10A 250VAC at 85°C		
		10A 30VDC at 85°C		
		B300 at 85°C		
		R300 at 85°C		
		1/2HP 240VAC at 85°C		
		AgSnO ₂ : 1/3HP 120VAC at 85°C		
VDE (AgNi, AgNi+Au)	1H (;S) (1;3;5) (-;G)	8A 250VAC at 85°C		
	1D (;S) (1;3;6) (-;G)	8A 250VAC at 85°C		
	1Z (-;S) (1;3) (-;G)	8A 250VAC at 85°C		
VDE (AgSnO ₂ , AgSnO ₂ +Au)	1H (-;S) (1;3;5), T.(-;G)	8A 250VAC at 85°C		
	1D (-;S) (1;3;6), T.(-;G)	8A 250VAC at 85°C		
	1Z (-;S) (1;3), T.(-;G)	8A 250VAC at 85°C		
	1H (-;S) (1;3;5), T.(-;G)	AC-15 (Make: 30A 250VAC COS Ø=0.7 at 85°C		
		Break: 3A 250VAC COS Ø=0.4 at 85°C)		
	1Z (-;S) (1;3), T.(-;G)	NO: AC-15 (Make: 30A 250VAC COS Ø=0.7 at 85°C		
		Break: 3A 250VAC COS Ø=0.4 at 85°C)		

Notes: 1) All values unspecified are at room temperature.

ORDERING INFORMATION HF118F 012 -1H S G **Type** Coil voltage 5, 6, 9, 12, 18, 24, 48, 60VDC Contact arrangement 1H: 1 Form A 1D: 1 Form B 1Z: 1 Form C Construction 1)2) S: Plastic sealed Nil: Flux proofed 1: 3.2mm 1 pole 8A Version 3: 3.2mm 1 pole 10A, double pinning (See Wiring Diagram below) **5:** 5mm 8A, only 1 Form A **6:** 5mm 8A, only 1 Form B Contact material³⁾ T: AgSnO₂ G: AgNi+Au plated TG: AgSnO₂+Au plated Nil: AgNi Special code⁴⁾ XXX: Customer special requirement Nil: Standard

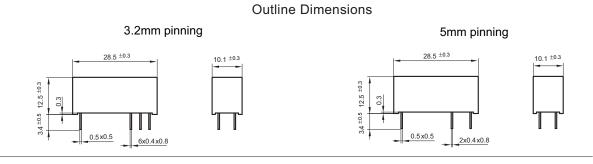
Notes: 1) We recommend flux proofed types for a clean environment (free from contaminations like H₂S, SO₂, NO₂, dust, etc.).

We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H₂S, SO₂, NO₂, dust, etc.).

- Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB.
- 3) For gold plated type, the min. switching current and min. switching voltage is 10mA 5VDC.
- 4) The customer special requirement express as special code after evaluating by Hongfa. e.g.(335) stands for product in accordance to IEC 60335-1 (GWT). e.g.(253) stands for Reflow soldering version.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

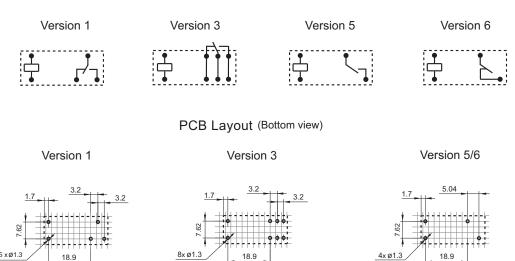


²⁾ Only typical loads are listed above. Other load specifications can be available upon request.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

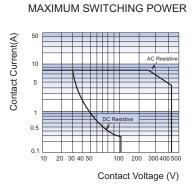
Wiring Diagram (Bottom view)



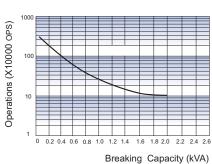
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

- 2) The tolerance without indicating for PCB layout $\,$ is always $\pm 0.1 mm$.
- 3) The width of the gridding is 2.54mm.

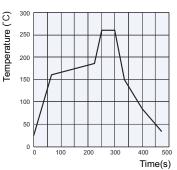
CHARACTERISTIC CURVES



ENDURANCE CURVE



REFLOW WELDING TEMPERATURE (Reflow soldering version)



Notes:

- 1) Curve: 1Z1 type
- 2) Test conditions:

NO, Resistive load, 250VAC

Flux proofed, Room temp., 1s on 9s off.

Relay Sockets

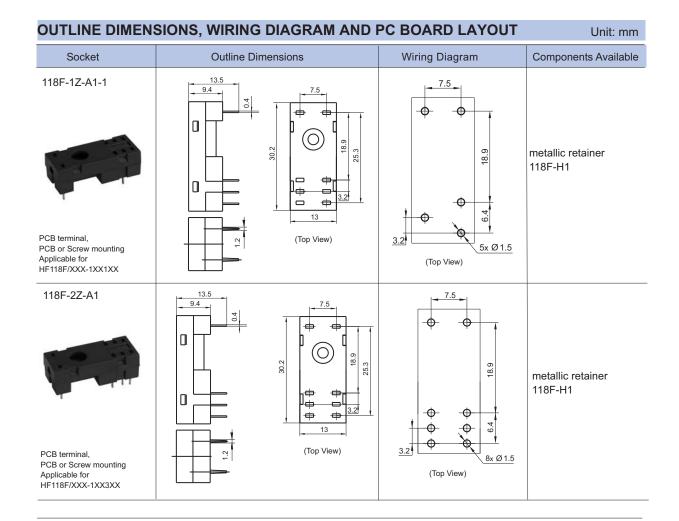


Features

- The dielectric strength can reach 5000VAC and the insulation resistance is 1000MΩ
- Two mounting types are available: PCB and screw mounting.
- Environmental friendly product (RoHS compliant)

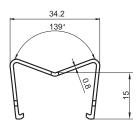
CHARACTERISTICS

Туре	Nominal Voltage	Nominal Current	Ambient Temperature	Dielectric Strength min.
118F-1Z-A1-1	250VAC	10A	-40 °C to 70°C	5000VAC
118F-2Z-A1	250VAC	10A	-40 °C to 70°C	5000VAC



Retainer

118F-H1 (Metallic retainer)



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. As for 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.
- 3. The above is only an example of typical socket and related component type which is suitable to HF118F 1 poles relay. If you have any special requirements, please contact us.
- 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

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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