

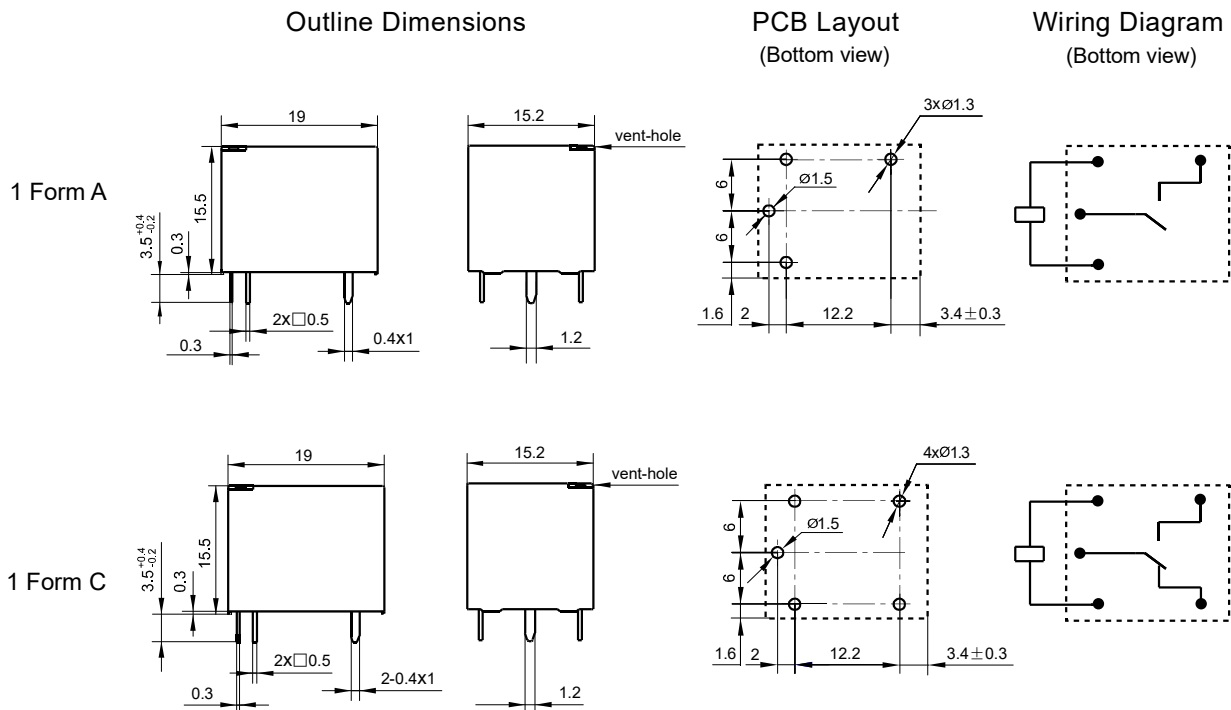
ORDERING INFORMATION

Type	HF3FA / 012 -H S T F (XXX)						
	HF3FA:85°C HF3FA-T:105°C						
Coil voltage	3,5,6,9,12,15,18,24,48VDC						
Contact arrangement	H: 1 Form A Z: 1 Form C						
Construction ¹⁾	S: Plastic sealed Nil: Flux proofed						
Contact material	T: AgSnO ₂ 3: AgNi Nil: AgCdO						
Insulation system	F: Class F						
Special code ³⁾	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.).
- 2) Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB.
- 3) 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.(stuffix 590) for product in accordance to TV-8 loading.
- 4) For products that should meet the explosion-proof requirements of "IEC 60079 series", please note [Ex] after the specification while placing orders. Not all products have explosion-proof certification, so please contact us if necessary, in order to select the suitable products.
- 5) Two packing methods available: paper box package, tube package, Standard tube packing length is 420mm. Any special requirement needed, please contact us for more details.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

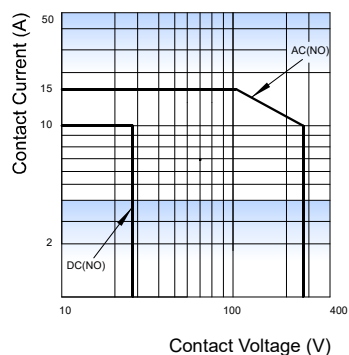
Unit: mm



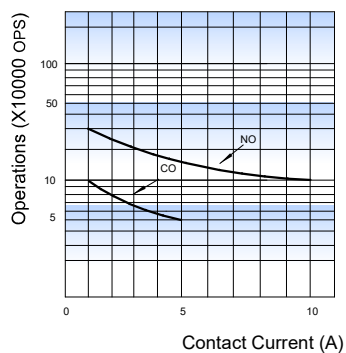
- Remark:** 1) The pin dimension of the product outline drawing is the size before tinning (it will become larger after tinning), and the mounting hole size is the recommended design size of the PCB board hole. The specific PCB board hole design size can be mapped and adjusted according to the actual product.
- 2) 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.
- 3) The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

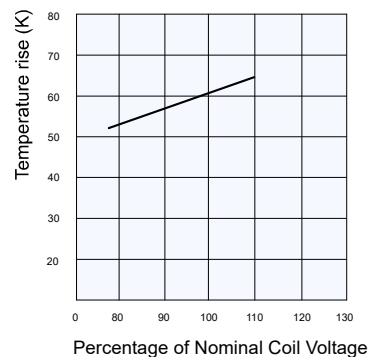
MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE



Test conditions:

NO: Resistive load, Flux proofed,
Room temp., 1s on 9s off

CO: Resistive load, Flux proofed,
Room temp., 3s on 3s off

Notes: For plastic sealed type, the
venting-hole should be opened
in electrical endurance test.

Test conditions: at 85°C, 6A
Mounting distance: 10mm

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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