

## Features

- 25A switching capability
- UL insulation system:Class F
- Environmental friendly product(RoHS compliant)
- Outline Dimensions:(29.0×12.7×15.7)mm
- Main application:Smart home, Industrial Control



## CHARACTERISTICS

Specifications	Item		
Contact Data	Contact arrangement		1A
	Contact resistance(initial)		≤100mΩ(6VDC 1A)
	Contact material		AgSnO <sub>2</sub>
Rated value	Rated load(Resistance load)		25A 250VAC
	Max.switching voltage		400VAC
	Max.switching current		25A
	Max.switching capacity		6250VA
	Min.allowing load		5VDC 100mA
Electrical performance	Insulation resistance(initial)		1000MΩ (500VDC)
	Dielectric strength (initial)	Between open contacts	1000VAC,1min
		Between coil&contacts	4000VAC,1min
	Operate time		≤15ms
	Release time		≤10ms
Mechanical performance	Shock resistance	Functional	98m/s <sup>2</sup> (10g)
		Destructive	980m/s <sup>2</sup> (100g)
	Vibration resistance		10Hz~55Hz 1.5mm DA
Endurance	Mechanical		1×10 <sup>7</sup> ops
	Electrical(Room temperature)		25A 250VAC <span style="float:right">2×10<sup>4</sup>ops (ON/OFF=1s/9s)</span>
Operate condition	Ambient temperature		-40℃~85℃
	Humidity		5% to 90%
Termination			PCB
Unit weight			Approx.12g
Construction			Plastic sealed,Flux proofed

## COIL DATA(23°C)

Nominal Voltage	Operate Voltage VDC	Release Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 3V	≤2.25	≥0.15	133.3mA	22.5Ω	400mW	DC 3.9V
DC 5V	≤3.75	≥0.25	80mA	62.6Ω		DC 6.5V
DC 6V	≤4.50	≥0.30	66.7mA	90Ω		DC 7.8V
DC 9V	≤6.75	≥0.45	44.4mA	202.5Ω		DC 11.7V
DC 12V	≤9.00	≥0.60	33.3mA	360Ω		DC 15.6V
DC 15V	≤11.25	≥0.75	26.7mA	562.5Ω		DC 19.5V
DC 18V	≤13.50	≥0.90	22.2mA	810Ω		DC 23.4V
DC 24V	≤18.00	≥1.20	16.7mA	1440Ω		DC 31.2V
DC 48V	≤36.00	≥2.40	8.3mA	5760Ω		DC 62.4V
DC 60V	≤45	≥3.00	6.67mA	9000Ω		DC 78V
DC 90V	≤67.5	≥4.50	4.44mA	20250Ω		DC 117V
DC 110V	≤82.5	≥5.50	3.64mA	30250Ω		DC 143V

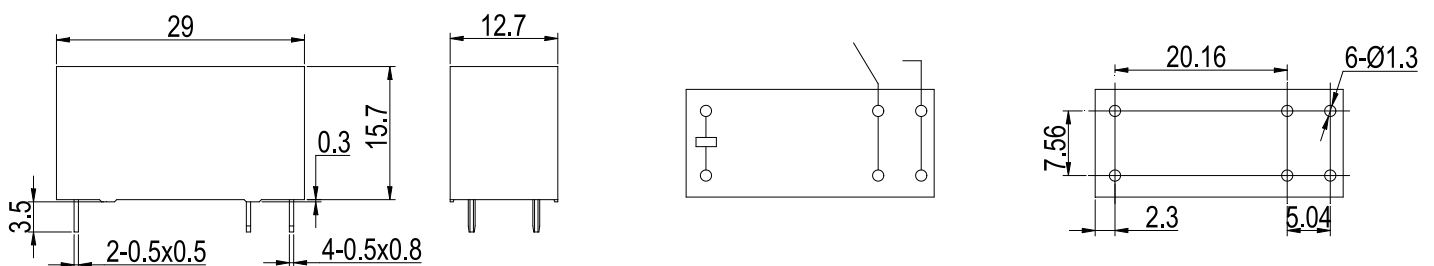
## ORDERING INFORMATION

**FH15-25 -1A 2 S T -XXX DC12V**

- ① Type
- ② Contact arrangement:1A=1 open contacts
- ③ PCB mounting:2=type 2
- ④ Construction:Nil=Flux proofed
- ⑤ Contact material:T=AgSnO<sub>2</sub>
- ⑥ Customer special code:numbers or letters denote customer's requirements
- ⑦ Coil specification:DC3/5/6/9/12/15/18/24/48/60/90/110V

## OUTLINE DIMENSIONS,WIRING DIAGRAM AND PC BOARD LAYOUT(Unit:mm)

**1A2** Outline Dimensions      Wiring Diagram (Bottom view)      PCB Layout (Bottom view)



Remark: (1) In case of no tolerance shown in outline dimension:outline dimension $\leq$ 1mm,tolerance should be $\pm$ 0.2mm;outline dimension  $>$ 1mm and  $<$ 5mm,tolerance should be  $\pm$ 0.3mm;outline dimension $\geq$ 5mm,tolerance should be  $\pm$ 0.5mm.

(2) The tolerance without indicating for PCB layout is always  $\pm$ 0.1mm

## ■ NOTICE

- ① In order to maintain the initial performance parameters of the relay, please be careful not to drop the product;
- ② The specification is for reference only.Specifications subject to change without notice.