

Features

- 30A switching capability
- UL insulation system:Class F
- Breakdown voltage (between coil and contacts):4kV
- Clearance/Creepage(between coil and contacts):>6.4mm
- Outline Dimensions:(28.8*21.5*15.6)mm



CHARACTERISTICS

Specifications	Item		FH60
Contact Data	Contact arrangement		1A
	Contact resistance(initial)		≤100mΩ(6VDC 1A)
	Contact material		AgSnO ₂
Rated value	Rated load(Resistance load)		30A 250VAC(Standard) 40A 250VAC(High load)
	Max.switching voltage		480VAC
	Max.switching current		40A
	Max.switching capacity		7500VA
	Min.allowing load		5VDC 100mA
Electrical performance	Insulation resistance(initial)		1000MΩ(500VDC)
	Dielectric strength (initial)	Between open contacts	1500VAC,1min
		Between coil&contacts	4000VAC,1min
	Operate time		≤15ms
	Release time		≤10ms
Mechanical performance	Shock resistance	Functional	98m/s ² (10g)
		Destructive	980m/s ² (100g)
	Vibration resistance		10Hz~55Hz 1.5mm DA
Endurance	Mechanical		1×10 ⁷ ops
	Electrical(Room temperature)		30A 250VAC 5×10 ⁴ ops(ON/OFF=1s/9s) 40A 250VAC 6×10 ³ ops(ON/OFF=1s/9s)
Operate condition	Ambient temperature		-40℃~105℃
	Humidity		5% to 85%
Termination			PCB
Unit weight			Approx.18g
Construction			Plastic sealed,Flux proofed

COIL DATA(23℃)

Nominal Voltage	Operate Voltage VDC	Release Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 5V	≤3.75	≥0.5	178.6mA	28Ω	900mW	DC 6.5V
DC 9V	≤6.75	≥0.9	100mA	90Ω		DC 11.7V
DC 12V	≤9	≥1.2	75mA	160Ω		DC 15.6V
DC 15V	≤11.25	≥1.5	60mA	249Ω		DC 19.5V
DC 18V	≤13.5	≥1.8	50mA	360Ω		DC 23.4V
DC 22V	≤16.5	≥2.2	40.9mA	538Ω		DC 28.6V
DC 24V	≤18	≥2.4	37.5mA	640Ω		DC 31.2V
DC 48V	≤36	≥4.8	18.75mA	2560Ω		DC 62.4V
DC 110V	≤82.5	≥11	8.2mA	13444Ω		DC 143V

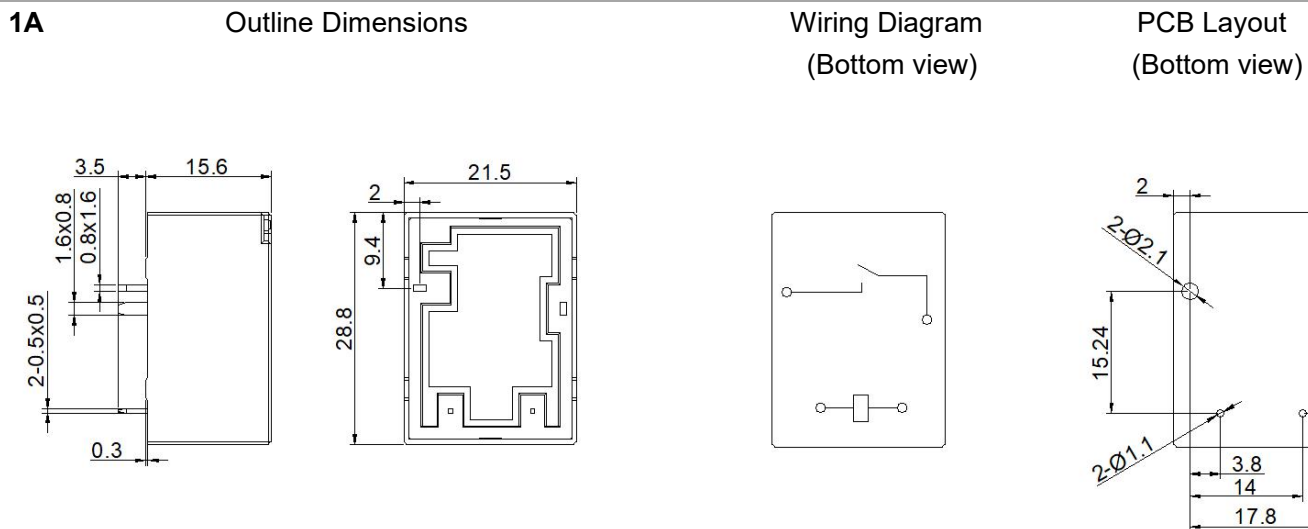
ORDERING INFORMATION

FH60 -1A S T E F -XXX DC12V

- ① Type
- ② Contact arrangement:1A=1 Form A
- ③ Construction:Nil=Flux proofed,S=Plastic sealed
- ④ Contact material :T=AgSnO₂
- ⑤ Load:Nil=Standard load(30A), E=High load(40A)
- ⑥ Insulation standard:F=Class F
- ⑦ Customer special code:numbers or letters denote customer's requirements
- ⑧ Coil specification:DC/5/9/12/15/18/22/24/48/110V

- (1) When used in clean environment(excluding H₂S,SO₂,NO₂,dust and other pollutants), it is recommended to choose the Flux proofed type;When used in unclean environment(contain H₂S,SO₂,NO₂,dust and other pollutants), it is recommended to choose the Plastic sealed.

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



Notes: (1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $< 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $\geq 5\text{mm}$, tolerance should be $\pm 0.5\text{mm}$.
 (2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

■ 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.