

## Features

- 15A switching capability
- Contact arrangement: 1A, 2A, 3A, 1C, 2C, 3C
- Flux proofed
- Transparent dust cover, Multiple installation mode
- Optional different kinds of relay sockets, easy to installation and use
- Outline Dimensions: (27.3×21.0×35.0)mm
- Main application: Industrial Control



## CHARACTERISTICS

Specifications	Item			
Contact Data	Contact arrangement	1A, 1B, 1C	2A, 2B, 2C	
	Contact resistance(initial)	100mΩ(6VDC 1A)		
	Contact material	AgSnO <sub>2</sub>		
Rated value	Rated load(Resistance load)	15A 250VAC/30VDC	12A 250VAC/30VDC	
	Max.switching voltage	250VAC/30VDC	250VAC/30VDC	
	Max.switching current	15A	12A	
	Max.switching capacity	3750VA/450W	3000VA/360W	
	Min.allowing load	5VDC 100mA		
Electrical performance	Insulation resistance(initial)	1000MΩ(500VDC)		
	Dielectric strength (initial)	Between open contacts	1000VAC, 1min	1000VAC, 1min
		Between coil&contacts	1500VAC, 1min	1500VAC, 1min
	Impact resistance voltage	1500VAC, 1min	1500VAC, 1min	
	Operate time	≤25ms		
	Release time	≤25ms		
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)	15A 250VAC/30VDC (Resistance) 1×10 <sup>5</sup> ops (ON/OFF=1s/9s)	12A 250VAC/30VDC (Resistance) 1×10 <sup>5</sup> ops (ON/OFF=1s/9s)	
Operate condition	Ambient temperature	-40℃~70℃		
	Humidity	5% to 85%		
Termination	PCB, Insert			
Unit weight	Approx.37g			
Construction	Flux proofed			

## ■ COIL DATA(23°C)

### ■ DC type

Nominal Voltage	Operate Voltage VDC	Release Voltage VDC	Rated Current ((±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 12V	≤9.00	≥0.60	75mA	160Ω	900mW	DC 13.2V
DC 24V	≤18.00	≥1.20	37.5mA	640Ω		DC 26.4V
DC 110V	≤82.5	≥5.5	8.2mA	13444Ω		DC 121V
DC 220V	≤165	≥11	4.1mA	53778Ω		DC 242V

### ■ AC type

Nominal Voltage	Operate Voltage VDC	Release Voltage VDC	Rated Current ((±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
AC 12V	≤9.6	≥3.6	100mA	120Ω	1200VA	AC 13.2V
AC 24V	≤19.2	≥7.2	50mA	480Ω		AC 26.4V
AC 110V	≤88.0	≥33.0	10.9mA	10083Ω		AC 121V
AC 220V	≤176.0	≥66.0	5.5mA	40333Ω		AC 242V

## ■ ORDERING INFORMATION

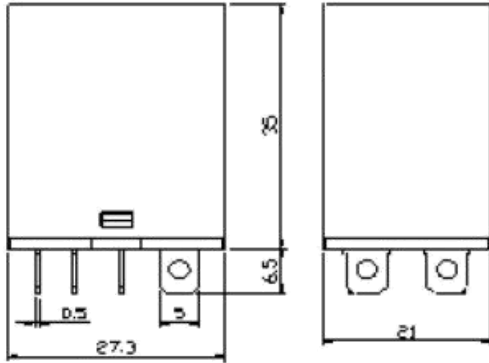
**FH37 -2C 1 T L DC12V**

- ① Type
- ② Contact arrangement:  
 1A=1open contacts, 1B=1close contacts,  
 1C=1 switched contacts  
 2A=2open contacts, 2B=2close contacts,  
 2C=2 switched contacts
- ③ Installation mode: 1 = Socket, 2 = Printed circuit board  
 3 = Flange mounting
- ④ Construction: T=AgSnO<sub>2</sub>
- ⑤ Indicator light: L=With LED, Nil=Without LED
- ⑥ Coil specification: DC/AC 12/24/110/220V

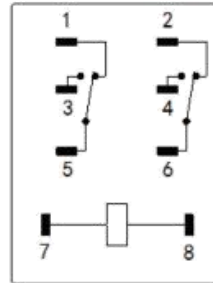
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT (Unit:mm)

### Socket

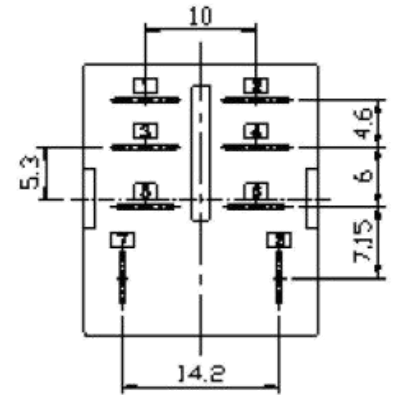
### Outline Dimensions



### Wiring Diagram (Bottom view)



### PCB Layout (Bottom view)



Remark: (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.