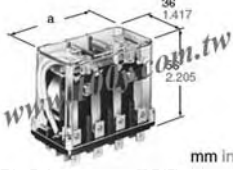




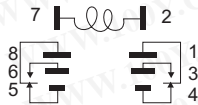
# Relays & Solenoids

## NAIS\_PCB Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Schematic (Bottom view)



### Characteristics (at 60 Hz, 20°C 68°F)

Maximum operating speed	20 cpm	
Initial insulation resistance*1	Min. 100 MΩ at 500 V DC	
Shock resistance	Functional*4	98 m/s <sup>2</sup> {10 G} (except for the contact moving direction)
	Destructive*5	980 m/s <sup>2</sup> {100 G}
Vibration resistance	Functional*6	10 to 55 Hz at 1 mm double amplitude
	Destructive	10 to 55 Hz at 2 mm double amplitude
Unit weight	2 Form C type Approx. 130 g 4.59 oz	

### TYPICAL APPLICATIONS

Industrial machinery, machine tools, food processing and packing machines, office machines, transportation equipment and amusement devices.

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47016	HG2-AC220V-F	NAIS	20 AMP POWER RELAY	AC220V	HG

### FEATURES

- 2 contact arrangements  
4 Form C (for 5 A 250 V AC),  
2 Form C (for 10 A 250 V AC)\*
- Excellent contact reliability by Au plating
- Environmentally friendly Cd-free contacts
- Coil breakdown detection function (AC type with LED only)
- Convenient Screw terminal sockets with finger protection also available
- Test button type available
- Built-in diode and CR for surge suppression type available

### TYPICAL APPLICATIONS

- |                    |                          |
|--------------------|--------------------------|
| Control panels     | Agricultural equipment   |
| Power supply units | Office equipment         |
| Molding machines   | Vending machines         |
| Machine tools      | Communications equipment |
| Welding equipment  | Amusement machines       |

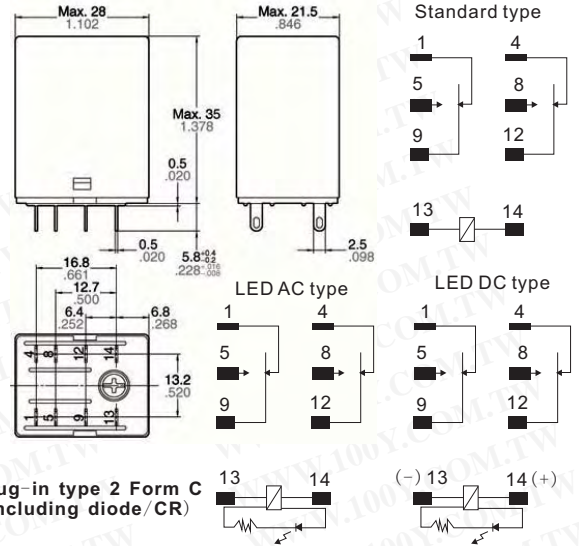
### SPECIFICATIONS Contacts

Arrangement	2 Form C	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50mΩ	
Contact material	Au plating type: Au plating Silver Without Au plating type: Silver	
Rating	Nominal switching capacity (resistive load)	10 A 250 V AC*1
	Max. switching power (resistive load)	1,750 VA
	Max. switching voltage	250 V AC, 125 V DC
	Max. switching current	10 A*2
	Min. switching current*9	Au plating type: 1 mA 1 V DC Without Au plating type: 1 mA 5 V DC

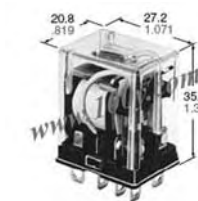
### Characteristics

Max. operating speed	20 cpm (at max. Rating)	
Initial insulation resistance*1	Min. 100 MΩ at 500 V DC	
Shock resistance	Functional*5	Min. 100 m/s <sup>2</sup> {10 G}
	Destructive*6	Min. 1,000 m/s <sup>2</sup> {100 G}
Vibration resistance	Functional*7	10 to 55 Hz at double amplitude of 1.0 mm
	Destructive	10 to 55 Hz at double amplitude of 1.0 mm
Unit weight	Approx. 34g 1.20 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47008	HJ2-L-AC220/240V-6	NAIS	MINIATURE RELAY FOR WIDER APPLICATIONS	AC220/240V	HJ



Plug-in type 2 Form C (including diode/CR)

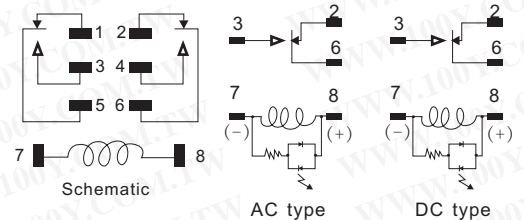


### FEATURES

- **High switching capacity in a compact size**  
1 Form C (15 A 125 V AC), 2 Form C (10 A 250 V AC)
- **Rugged construction for tough applications**
- **Long life**  
Mechanical: Min. 108 operations (DC),  
Min. 5 × 107 operations (AC)  
Electrical: Min. 5 × 105 operations (Except for 10 A 250 V AC of 2 Form C)

### TYPICAL APPLICATIONS

Power station control equipment, refrigerators, building control equipment, office machines, and medical equipment.



### SPECIFICATIONS Contacts

Arrangement	2 Form C	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50 mΩ	
Contact material	AgSnO <sub>2</sub> type	
Rating (resistive)	Nominal switching capacity	15 A 125 V AC, 10 A 250 V AC
	Max. switching power	AC: 2,500 VA DC: 90 W
	Max. switching voltage	250 V AC 30 V DC
	Max. switching current	15 A
	Min. switching capacity*11	100 mA, 5 V DC

### Characteristics (at 25°C 77°F, 50% Relative humidity)

Max. operating speed	20 cpm	
Initial insulation resistance*1	Min. 100 MΩ at 500 V DC	
Shock resistance	Functional*4	Min. 196 m/s <sup>2</sup> {20 G}
	Destructive*5	Min. 980 m/s <sup>2</sup> {100 G}
Vibration resistance	Functional*6	10 to 55 Hz at double amplitude of 1 mm
	Destructive	10 to 55 Hz at double amplitude of 2 mm
Unit weight	Approx. 35 g 1.25 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47014	HL2-H-AC240V-F	NAIS	15A (1C), 10 A (2C) SPACE SAVING POWER RELAY	240V	HL

