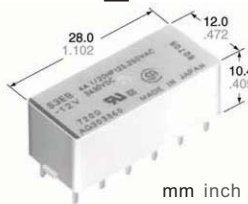


Relays & Solenoids

NAIS_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



FEATURES

- The variety of contact arrangements 2 Form A 2 Form B, 3 Form A 1 Form B, 4 Form A
- Latching types available
- High sensitivity in small size 100 mW pick-up and 200 mW nominal operating power
- High shock and vibration resistance Shock: 50 G Vibration: 10 to 55 Hz at double amplitude of 3 mm .118 inch

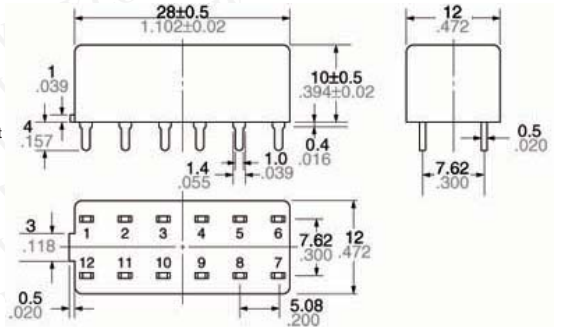
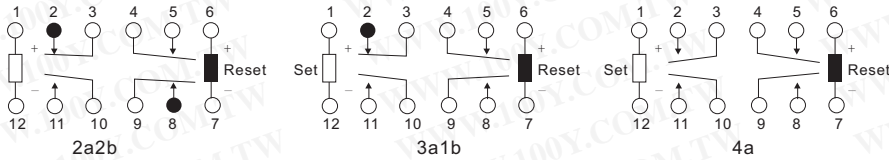
- Wide switching range From 100µA 100 mV DC to 4 A 250 V AC
- Low thermal electromotive force Approx. 3 µV
- Dual-In-Line packaging arrangement
- Amber types available

TYPICAL APPLICATIONS

Telecommunications equipment, data processing equipment, facsimiles, alarm equipment, measuring equipment.

2 coil latching

Diagram shows the "reset" position when terminals 6 and 7 are energized. Energize terminals 1 and 12 to transfer contacts.



SPECIFICATIONS

Contacts

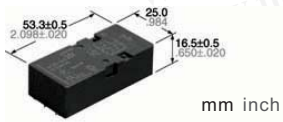
Arrangement	2 Form A 2 Form B, 3 Form A 1 Form B, 4 Form A	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50 mΩ	
Initial contact pressure	Approx. 12 g .42 oz	
Contact material	Au clad Ag alloy (Cd free)	
Electrostatic capacitance	Approx. 3pF	
Thermal electromotive force (at nominal coil voltage)	Approx. 3µV	
Rating (resistive)	Nominal switching capacity	4 A 250 V AC, 3 A 30 V DC
	Maximum switching power	1,000 VA, 90 W
	Maximum switching voltage	250 V AC, 30 V DC (48 VDC at less than 0.5 A)
	Max. switching current	4 A (AC), 3 A (DC)
	Min. switching capacity (Reference value) ^{#1}	100µA 100 m V DC

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

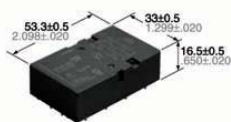
Max. operating speed	20 cpm for maximum load, 50 cps for low-level load (1 mA 1 V DC)	
Initial insulation resistance* ¹	10,000 MΩ at 500 V DC	
Initial contact bounce, max.	1 ms	
Shock resistance	Functional* ⁴	Min. 490 m/s ² {50 G}
	Destructive* ⁵	Min. 980 m/s ² {100 G}
Vibration resistance	Functional* ⁶	176.4 m/s ² {18 G}, 10 to 55 Hz at double amplitude of 3 mm
	Destructive	235.2 m/s ² {24 G}, 10 to 55 Hz at double amplitude of 4 mm
Unit weight	Approx. 8 g .28 oz	



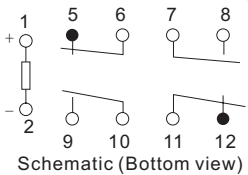
Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46948	S2EBL2-24V	NAIS	4 A CAPACITY, THE VARIETY OF CONTACT ARRANGEMENTS	24V	S



2 Form A 2 Form B



4 Form A 4 Form B



FEATURES

- **High contact reliability**
High contact reliability is achieved through the use of a double contact.
- **Forced operation contacts (2 Form A 2 Form B)**
N.O. and N.C. side contacts are connected through a card so that one interacts with the other in movement. In case of a contact welding, the other keeps a min. 0.5mm .020inch contact gap.
- **Independent operation contacts (4 Form A 4 Form B)**
There are 4 points of forced operation contacts. Each pair of contacts is free from the main armature and is independent from each other. So if a N.O. pair of contacts are welded, the other 3 N.O. contacts are not effected (operate properly) That enables to plan a circuit to detect welding or go back to the beginning condition.
- **Separated chamber structure (2 Form A 2 Form B, 4 Form A 4 Form B)**
N.O. and N.C. side contacts are put in each own space surrounded with a card and a body-separator. That prevents short circuit between contacts, which is caused by their springs welding or damaged.

- **High breakdown voltage 2,500 Vrms between contacts and coil**

- **High sensitivity**

Realizes thin shape and high sensitivity (500 mW nominal operating power) by utilizing high-efficiency polarized magnetic circuit with 4-gap balanced armature.

- **Complies with safety standards**

Standard products are UL, CSA, TÜV and SEV certified. Conform to European standards. TÜV certified (945/EL, 178/88). Complies with SUVA European standard.

TYPICAL APPLICATIONS

- Industrial equipment such as presses and machine tools

SPECIFICATIONS

Contact



Contact arrangement	2 Form A 2 Form B	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	30 mΩ	
Contact material	Au-flashed AgSnO ₂ type	
Rating (resistive)	Nominal switching capacity	6 A 250 V AC, 6 A 30 V DC
	Max. switching power	1,500 VA, 180 W
	Max. switching voltage	440 V AC, 30 V DC
	Max. carrying current	6 A
	Min. switching capacity (Reference value) ^{#1}	100 mA, 5 V DC

Characteristics (at 20°C 68°F)

Contact arrangement	2 Form A 2 Form B	
Max. operating speed	180 cpm (at nominal voltage)	
Initial insulation resistance* ¹	Min. 1,000 MΩ at 500 V DC	
Shock resistance	Functional* ⁴	Min. 294 m/s ² {30 G}
	Destructive* ⁵	Min. 980 m/s ² {100 G}
Vibration resistance	Functional* ⁶	10 to 55 Hz at double amplitude of 2 mm
	Destructive	10 to 55 Hz at double amplitude of 2 mm
Unit weight	Approx. 38 g 1.34 oz	
Coil		
Nominal operating power	500 mW	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46955	SF2D-DC24V	NAIS	POLARISED, MONOSTABLE SAFETY RELAY	24V	SF RELAYS Double contact



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 F A X : Taiwan : 886-3-5753172
 E-mail : Taiwan : us_sale@100y.com.tw

Shenzhen : 86-755-83298787
 Shenzhen : 86-755-83640655
 Shenzhen : 100y@163.com

Shanghai : 86-21-54151736
 Shanghai : 86-21-64605107
 Shanghai : 100y-1@163.com