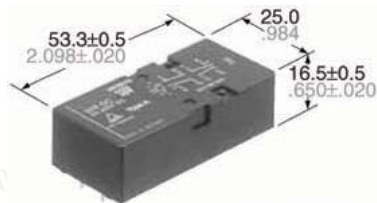




Relays & Solenoids

NAIS_PCB Relays

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



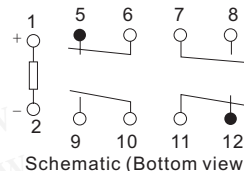
mm inch

FEATURES

- **Forced operation contacts (3 Form A 1 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.
- **Separated chamber structure (3 Form A 1 Form B)**
N.O. and N.C. side contacts are put in each own space surrounded with a card and a body-separater. That prevents short circuit between contacts, which is caused by their springs welding or damaged.
- **UL/CSA, TÜV, SEV approved**

TYPICAL APPLICATIONS

- Signal
- Escalator
- Elevator
- Medical Instruments
- Factory Automation



SPECIFICATIONS

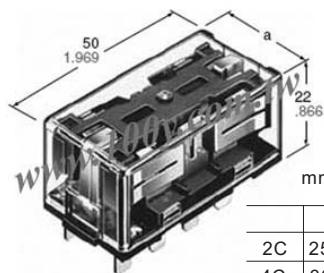
Contact		
Type	SF3	
Arrangement	3 Form A 1 Form B	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	30 mΩ	
Contact material	Au-flashed AgSnO ₂ type	
Rating (resistive)	Nominal switching capacity	6 A 250 V AC, 6 A 30 V DC
	Max. switching power	1,500 VA, 180 W
	Max. switching voltage	30 V DC, 440 V AC
	Max. carrying current	6 A DC, AC
	Min. switching capacity (Reference value) ^{#1}	100 mA, 5 V DC

Characteristics (at 20°C 68°F, 50% Relative humidity)

		SF3
Max. operating speed	180 cpm (at nominal voltage)	
Initial insulation resistance ^{*2}	Min. 1,000 MΩ at 500 V DC	
Shock resistance	Functional ^{*5}	Min. 294 m/s ² {30 G}
	Destructive ^{*5}	Min. 980 m/s ² {100 G}
Vibration resistance	Functional ^{*7}	117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm
	Destructive	117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm
Unit weight	37 g 1.31 oz	

Coil (at 25°C 77°F)		
Nominal operating power	500 mW	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46954	SF3-DC24V	NAIS	POLARISED, MONOSTABLE SAFETY RELAY with (mechanical linked) forced contacts operation	24V	SF



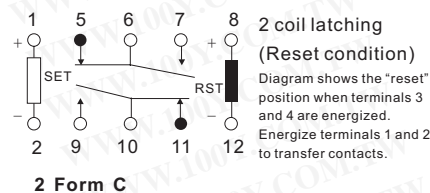
	a
2C	25.6 1.008
4C	36.8 1.449

FEATURES

- **High Vibration/Shock Resistance**
Vibration resistance: 18 G, amplitude 3 mm (10 to 55 Hz)
Shock resistance: 40 G (11 ms)
- **Latching types available**
- **High Sensitivity in Small Size 150 mW pick-up, 300 mW nominal operating power**
- **Wide Switching Range**
From 1 mA to 15 A (2C) and 10 A (4C)

TYPICAL APPLICATIONS

NC machines, remote control panels, sophisticated business equipment.



SPECIFICATIONS

Contacts		
Arrangement		2 Form C, 4 Form C
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		30 mΩ
Contact material		Stationary contact: Au flashed AgSnO ₂ type Movable contact: AgSnO ₂ type
Rating (resistive load)	Nominal switching capacity	2C: 15 A 250 V AC 10 A 30 V DC 4C: 10 A 250 V AC 10 A 30 V DC
	Max. switching power	2C: 3,750 VA, 300 W 4C: 2,500 VA, 300 W
	Max. switching voltage	2C, 4C: 250 V AC, 30 V DC
	Max. switching current	2C: 15 A (AC) 10 A (DC), 4C: 10 A
	Min. switching capacity (Reference value) ^{#1}	100 mA, 5 V DC

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

Max. operating speed (at rated load)		20 cpm
Initial insulation resistance ^{*1}		1,000 MΩ at 500 V DC
Shock resistance	Functional ^{*4}	Min. 392 m/s ² {40 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	176.4 m/s ² {18 G}, 10 to 55 Hz at double amplitude of 3 mm
Unit weight	2C: 50 g 1.76 oz ; 4C: 65 g 2.29 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46951	SP2-L2-DC24V	NAIS	15A (2C), 10A (4C) COMPACT POWER RELAYS WITH HIGH SENSITIVITY	24V	SP

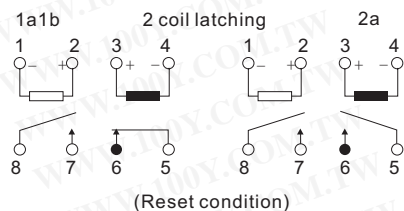
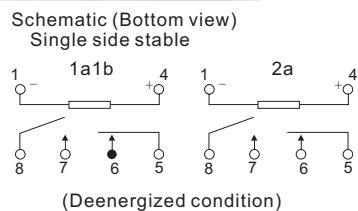
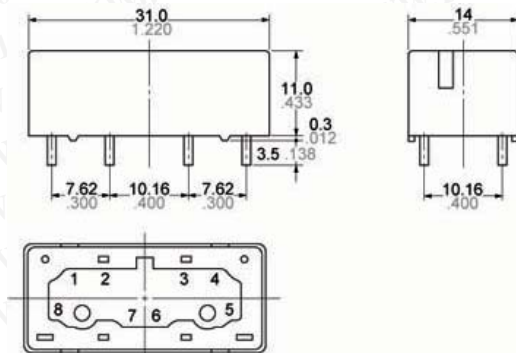


FEATURES

- **Sealed to meet the combination pro-cess of automatic wave soldering and cleaning needs**
- **Latching types available**
- **High switching capacity and high sensitivity in subminiature size 150 mW pick-up, 8 A inrush capacity: 51 A for 1a1b, 35 A for 2a**
- **High shock and vibration resistance Shock: 20 G, Vibration: 10 to 55 Hz at double amplitude of 2 mm**

TYPICAL APPLICATIONS

Sequence controllers, facsimiles, telephone controls, remote control security devices and security equipment.



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