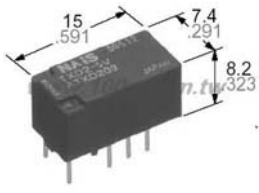




Relays & Solenoids

NAIS_PCB Relays

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



FEATURES

- Variety of contact arrangements**
Wide lineup of 1 Form C, 1 Form A, 1 Form B, 2 Form C, 2 Form A, 2 Form B, 1 Form A 1 Form B.
- Latching operation**
Latching via a polarized magnetic circuit structure allows remote operation and lower energy consumption

3. Compact with high capacity

16A (1-pole type) contact rating in a compact 29×13×16.5 mm (L×W×H) size.

4. Low power consumption

1 coil latching: 150mW 2 coil latching, single side stable:

5. High insulation

Both clearance and creepage distance between coil and contact are at 8 mm min. 250mW

SPECIFICATIONS

Contact

Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		100 mΩ
Contact material		AgSnO ₂ type (1 Form C, 1 Form A, 1 Form B) Au-flashed AgSnO ₂ type (1 Form A 1 Form B, 2 Form C, 2 Form A, 2 Form B)
Rating (resistive load)	Nominal switching capacity	16 A 250V AC (1 Form C, 1 Form A, 1 Form B) 10 A 250V AC (2 Form C, 2 Form A, 2 Form B, 1 Form A 1 Form B)
	Max. switching power	4,000 VA
	Max. switching voltage	250V AC
	Max. switching current	16 A
	Min. switching capacity (Reference value) ^{#1}	100 mA, 5 V DC
Expected life (min. Operations)	Mechanical (at 180 cpm)	5×10 ⁶
	Electrical (Resistive load) ^{#1} (at 20 cpm)	1 Form C, 1 Form A, 1 Form B: 10 ⁵ (at 16A 250V AC) 2 Form C, 2 Form A, 2 Form B, 1 Form A 1 Form B: 10 ⁵ (at 10A 250V AC)

Coil

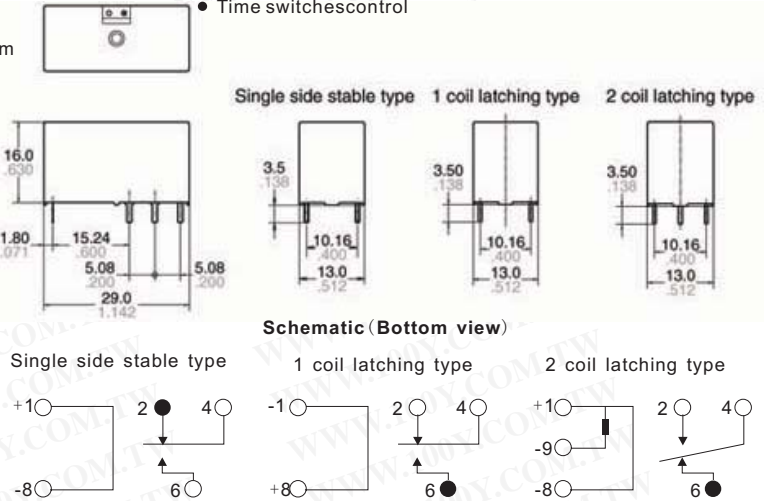
Nominal operating power	1 coil latching	150mW
	Single side stable, 2 coil latching	250mW

5. With operation verification function

A test button (manual lever) type to facilitate circuit checks is also available (1 Form C, 1 Form A, 1 Form B types only).

TYPICAL APPLICATIONS

- FA equipment (brake circuits of industrial machine and robots, etc.)
- Electric power devices (remote surveillance devices, etc.)
- Household appliance networks (Motor control and lighting, etc.)
- Time switches control



Characteristics

Initial insulation resistance ^{*2}		Min. 1,000 MΩ (at 500 V DC)
Initial breakdown voltage ^{*3}	Between open contacts	1,000 Vrms for 1 min.
	Between contacts and coil	4,000 Vrms for 1 min.
Surge voltage between contact and coil ^{*4}		Min. 10,000 V (initial)
Operate time [Set time] ^{*5} (at nominal voltage)		Approx. 10ms
Release time [Reset time] ^{*5} (at nominal voltage)		Approx. 10ms
Temperature rise (at 70°C) ^{*6}		Max. 55°C
Shock resistance	Functional ^{*7}	Min. 200 m/s ² {20 G}
	Destructive ^{*8}	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional ^{*9}	10 to 55Hz at double amplitude of 2.0mm
	Destructive	10 to 55Hz at double amplitude of 3.0mm

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46942	ADJ15024	NAIS	16A, COMPACT AND HIGH INSULATION POWER LATCHING RELAY	24V	DJ



FEATURES

- 1.30A capacity in small size**
- Latching type**
- High insulation**
4,000V AC (between contacts and coil)
Surge 10,000V (between contacts and coil)
- Sealed construction**

SPECIFICATIONS

Contact

Initial contact resistance, max.(By voltage drop 6 V DC 1 A)		30 mΩ
Contact material		AgSnO ₂ type
Rating (resistive load)	Nominal switching capacity	30 A 250V AC
	Max. switching power	7,500 VA
	Max. switching voltage	250V AC
	Max. switching current	30 A
	Min. switching capacity (Reference value) ^{#1}	100 mA, 5 V DC
Expected life (min. Operations)	Mechanical(at 180 cpm)	10 ⁶
	Electrical(Resistive load)	10 ¹¹

