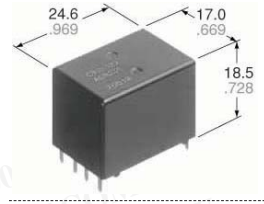




Relays & Solenoids

NAIS_PCB Relays

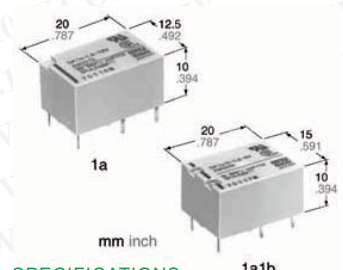
Detailed product specifications are available on: us.100y.com.tw



TYPICAL APPLICATIONS

- Power windows
- Auto door lock
- Electrically powered sunroof
- Electrically powered mirror, etc.

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47126	CR2-12V	NAIS	TWIN POWER SILENT AUTOMOTIVE RELAY	12V	CR



FEATURES

- Large capacity in small size: 10 A 250 V AC (1a)
- High sensitivity: 200 mW nominal operating power
- High breakdown voltage 4,000 Vrms between contacts and coil 1,000 Vrms between open contacts Meeting FCC Part 68
- Sealed construction
- Latching types available

TYPICAL APPLICATIONS

- Switching power supply
- Power switching for various OA equipment
- Control or driving relays for industrial machines (robotics, numerical control machines, etc.)
- Output relays for programmable logic controllers, temperature controllers, timers and so on.
- Home appliances

SPECIFICATIONS

Contact		1 Form A
Arrangement		1 Form A
Initial contact resistance, max. (By voltage drop 6 V DC 1A)		30 mΩ
Contact material		AgSnO ₂ type
Rating (resistive)	Nominal switching capacity	10 A 250 V AC 10 A 30 V DC
	Max. switching power	300 W, 2,500 VA
	Max. switching voltage	250 V AC, 30 V DC
	Max. switching current	10 A
	Min. switching capacity ^{#1}	10 mA, 5 V DC

Characteristics

Max. operating speed	20 cpm (at rated load)	
Initial insulation resistance ^{*1}	Min. 1,000 mΩ (at 500 V DC)	
Initial breakdown voltage ^{*2}	Between open contacts	1,000 Vrms
	Between contacts and coil	4,000 Vrms
Shock resistance	Functional ^{*5}	Min. 98 m/s ² {10 G}
	Destructive ^{*6}	Min. 980 m/s ² {100 G}
Vibration resistance	Functional ^{*7}	88.2 m/s ² {9 G}, 10 to 55 Hz at double amplitude of 1.5 mm
	Destructive	176.4 m/s ² {18 G}, 10 to 55 Hz at double amplitude of 3.0 mm
Unit weight	1 Form A	Approx. 5.6 g .20 oz

Coil

Nominal operating power	200 mW
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Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46941	DK1a-L2-12V-F	NAIS	10 A MINIATURE POWER RELAY	12V	DK



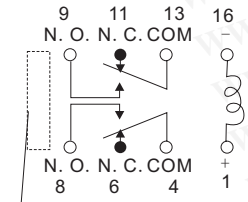
FEATURES

- High sensitivity: 200 mW pick-up power
- 100 mW pick-up power types available
- Latching types available
- High switching capacity: 60 W, 125 V A
- High breakdown voltage: 1,500 V FCC surge between open contacts
- 1,000 V AC between open contacts
- DIP-1C type can be used with 14 pin IC socket
- 2C type can be used with 16 pin IC socket, 4C type can be used with 2 sets of 14 pin IC sockets
- Gold-cap silver palladium types available for 2 Form C type
- Bifurcated contacts are standard

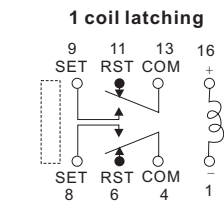
TYPICAL APPLICATIONS

- Telecommunication equipment
- Office equipment
- Computer peripherals
- Security equipment
- Measuring instrumentation

Single side stable Deenergized condition



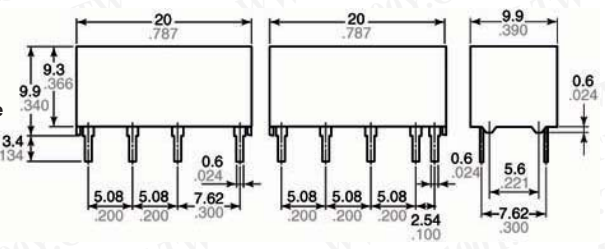
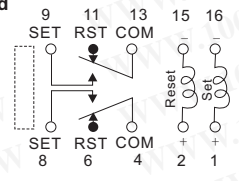
A polarity bar showing the relay direction can replace the schematic.



SPECIFICATIONS

Contact		50 mΩ
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		50 mΩ
Contact material		Gold-clad silver
Rating (resistive)	Max. switching power	60 W, 125 VA
	Max. switching voltage	220 V DC, 250 V AC
	Max. switching current	2 A DC, AC
	Max. carrying current	3 A DC, AC

2 coil latching



Characteristics (at 20°C 68°F)

Max. operating speed	20 cpm at rated load 50 cps at low level load	
Initial insulation resistance ^{*1}	Min. 100 MΩ (at 500 V DC)	
Shock resistance	Functional ^{*4}	1C, 2C: Min. 490 m/s ² {50 G}
	Destructive ^{*5}	Min. 980 m/s ² {100 G}
Vibration resistance	Functional ^{*6}	10 to 55 Hz at double amplitude of 3.3 mm
	Destructive	10 to 55 Hz at double amplitude of 5 mm

Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
38763	DS2E-M-DC1.5V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	1.5Vdc		20*9.8*9.9mm	DS2E
38761	DS2E-M-DC12V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	12Vdc		20*9.8*9.9mm	DS2E
39931	DS2E-M-DC24V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	24		20*9.8*9.9mm	DS2E
38764	DS2E-M-DC3V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	3VDC		20*9.8*9.9mm	DS2E
38765	DS2E-M-DC6V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	5VDC		20*9.8*9.9mm	DS2E
38766	DS2E-M-DC6V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	6VDC		20*9.8*9.9mm	DS2E
38767	DS2E-M-DC9V	NAIS	MINIATURE RELAY	2 Form C	60 W, 125 VA/220 V DC, 250 V AC/3A	9VDC		20*9.8*9.9mm	DS2E
40663	DS2E-S-DC24V	NAIS	NAIS_MINIATURE RELAY	2 Form C		24Vdc	UL,CSA	20*9.8*9.9mm	DS2E



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