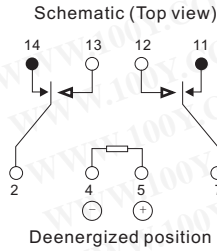
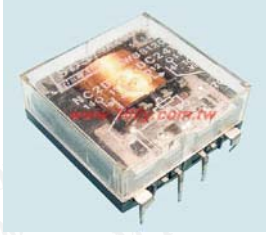


Relays & Solenoids

NAIS_PCB Relays

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



SPECIFICATIONS Contacts

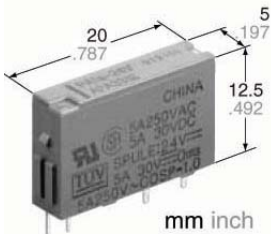
Types	Standard	Amber sealed
Arrangement	2 Form C, 4 Form C	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50 mΩ	
Rating (resistive load)	Max. switching power	2C: 1,250 VA 150 W 4C: 1,000 VA 150 W
	Max. switching voltage	250 V AC
	Max. switching current	5 A
	Max. switching carrying current	5 A
	Min. switching power	100 m A 1 V DC
Contact material	Gold-clad silver nickel	

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

Max. operating speed		180 cpm
Initial insulation resistance		Min. 100 MΩ at 500 V DC
Shock resistance	Functional* ²	Min. 98 m/s ² {10 G}
	Destructive* ³	Min. 980 m/s ² {100 G}
Vibration resistance	Functional* ⁴	58.8 m/s ² {6 G}, 10 to 55 Hz at double amplitude of 1 mm
	Destructive	117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm
Unit weight		2C/Approx. 16 g .56 oz



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
36778	NC2D-JP-DC110V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	110VDC	UL,CSA		NC2D
36774	NC2D-JP-DC12V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	12VDC	UL,CSA		NC2D
10185	NC2D-JP-DC24V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	24VDC	UL,CSA		NC2D
36776	NC2D-JP-DC48V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	48VDC	UL,CSA		NC2D
36760	NC2D-JP-DC5V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	5VDC	UL,CSA		NC2D
36764	NC2D-JP-DC6V	NAIS	PCB Relays	2PDT	5A/250V,1/10HP/250V	6VDC	UL,CSA		NC2D
41435	N C4D-JP-AC100V	NAIS	RELAYS	4 Form C	5A/250V,1/10HP/250V	100Vac	UL,CSA	5×10	NC4D



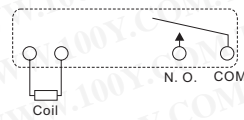
FEATURES

- Slim size (width 5 mm .197 inch, height 12.5 mm .492 inch) permits higher density mounting
- Wide switching capacity: Control from 100μA 100 mV to 5 A 250 V AC, 30 V DC
- High sensitivity: 120 mW (Nominal) (5 to 18 V DC type)
- High surge voltage (4000 V) and high breakdown voltage (2000 V)
- Shock & vibration resistance (functional): Min. 147m/s² {15 G}
- SIL (single in line) terminal layout
- Reinforced according to IEC1131-2 (TÜV)

TYPICAL APPLICATIONS

- Interface relays for programmable controllers
- Output relays for measuring equipment, timers, counters and temperature controllers
- Industrial equipment, office equipment

Schematic (Bottom view)



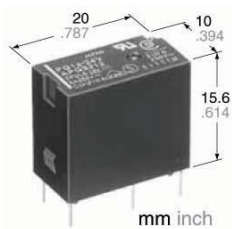
SPECIFICATIONS (at 20°C 68°F) Contacts

Arrangement	1a	
Contact material	Au-clad AgNi type	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	30 mΩ	
Rating (resistive)	Nominal switching capacity	5 A 250 V AC, 5 A 30 V DC
	Maximum switching power	1250 VA, 150 W
	Maximum switching voltage	250 V AC, 110 V DC
	Max. switching current	5 A
	Min. switching capacity (Reference value) ^{#1}	100μA, 100 mV DC

Characteristics

Max. operating speed		20 cpm at rated load
Initial insulation resistance* ¹		Min. 1,000 MΩ at 500 V DC
Shock resistance	Functional* ⁵	Min. 147 m/s ² {15 G}
	Destructive* ⁶	Min. 980 m/s ² {100 G}
Vibration resistance	Functional* ⁷	Min. 147 m/s ² {15 G}, 10 to 55 Hz at double amplitude of 2.5 mm
	Destructive	Min. 205.8 m/s ² {21 G}, 10 to 55 Hz at double amplitude of 3.5 mm
Unit weight		Approx. 3 g .15 oz

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46939	PA1a-24V	NAIS	THE SLIM POWER RELAY	24V	PA



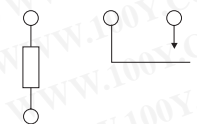
FEATURES

- High electrical noise immunity
- Bifurcated contact type with higher contact reliability
- High switching capacity: 5 A 250 V AC
- High sensitivity: 200 mW (Nominal)
- High surge voltage between contacts and coil: 8,000 V
- Compatible with DS-P relay terminal layout

TYPICAL APPLICATIONS

- Programmable controllers
- Interface relays for Factory Automation and Communication equipment
- Output relays for measuring equipment, timers, counters and temperature controllers

Schematic (Bottom view)



SPECIFICATIONS Contacts

Arrangement	1 Form A (Bifurcated)	
Contact material	Au-clad AgNi type	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50 mΩ	
Rating (resistive)	Nominal switching capacity	5 A 250 V AC, 5 A 30 V DC
	Max. switching power	1,250 VA, 150 W
	Max. switching voltage	250 V AC, 110 V (0.3 A)
	Min. switching capacity (Reference value) ^{#1}	100 μA, 100 mV DC

Characteristics

Max. operating speed		20 cpm at rated load
Initial insulation resistance* ¹		Min. 1,000 MΩ at 500 V DC
Shock resistance	Functional* ⁵	294 m/s ² {30 G}
	Destructive* ⁶	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 2.0 mm
	Destructive	205.8 m/s ² {21 G}, 10 to 55 Hz at double amplitude of 3.5 mm
Unit weight		Approx. 7 g .25 oz

Coil (at 20°C 68°F)

Nominal operating power	200 mW
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Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47923	PQ1a-12V	NAIS	HIGH ELECTRICAL/MECHANICAL NOISE IMMUNITY RELAY	1 Form A	5A/250V	12V	UL,CSA,VDE	20*10*15.6mm	PQ
46940	PQ1a-24V	NAIS	HIGH ELECTRICAL/MECHANICAL NOISE IMMUNITY RELAY			24V			PQ



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