



Relays & Solenoids

NAIS_PCB Relays

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



FEATURES

- Interchangeable with existing models
- Long life and high reliability
- High contact capacity up to 10 A 250 V AC
- Available with plug-in/solder and quick-connect terminals

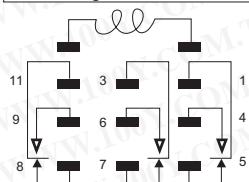
TYPICAL APPLICATIONS

HP relays enjoy wide use in various applications, particularly in automation controls and remote controls. Applications include: Industrial machinery, Machine tool

Food processing packing machines, Office equipment, Coin operate devices, Home appliances, Transportation, Communication and measuring devices, Amusement devices

Characteristics (at 60 Hz, 20°C 68°F)

		3 Form C
Maximum operating speed		20 cpm
Initial insulation resistance*1		more than 100 MΩ at 500 V DC
Shock resistance	Functional**	98 m/s ² {10 G}
	Destructive*5	980 m/s ² {100 G}
Vibration resistance	Functional*6	10 to 55 Hz at 1 mm double amplitude
	Destructive	10 to 55 Hz at 2 mm double amplitude
Unit weight		Approx. 100g 3.53 oz



Circuit diagram

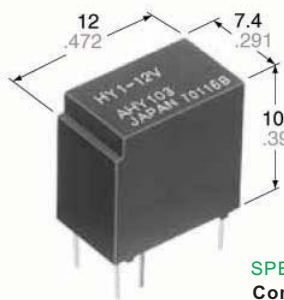
SPECIFICATIONS (at 20°C 68°F)

Contacts

Arrangement		3 Form C
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		15 mΩ
Contact material		Silver
Rating	Nominal switching capacity	10 A 250 V AC (resistive)
	Min. switching capacity*1	100 mA, 5 V DC



Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47015	HP3-M-AC220V-F	NAIS	10 AMP POWER RELAY	220V	HP

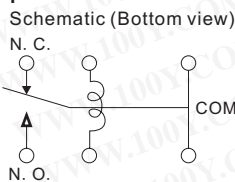


FEATURES

- High sensitivity: 150 mW/200 mW
- A wide range of ambient temperature: -40°C to +70°C -40°F to +158°F
- Sealed construction
- Rating: 1 A 30 V DC

TYPICAL APPLICATIONS

- Automotive: Switching to small motor
 - 1) Automirror controller
 - 2) Retractable head light controller
- Push button device: Dial pulsing
- Low-voltage signal switching and motor control of small home appliances such as portable video tape recorders and audio devices.
- Operating of dish-control motors for PCs and word processors



SPECIFICATIONS Contact

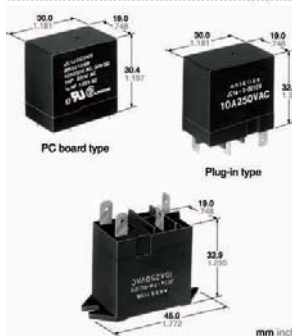
Arrangement		1 Form C
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		100 mΩ
Contact material		Gold-clad silver
Rating (resistive)	Nominal switching capacity	1 A 30 V DC
	Max. switching power	30 W
	Max. switching voltage	60 V DC
	Max. switching current	1 A
	Max. carrying current	2 A
Min. switching capacity (Reference value)*1		1 mA, 1 V DC

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

Max. operating speed		20 cpm (at nominal voltage)
Shock resistance	Functional**	Min. 98 m/s ² {10 G}
	Destructive*5	Min. 980 m/s ² {100 G}
Vibration resistance	Functional*6	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		1.8 g .063 oz



Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46918	HY1Z-12V	NAIS	NON-POLARIZED 1 FORM C RELAY	12V	HY

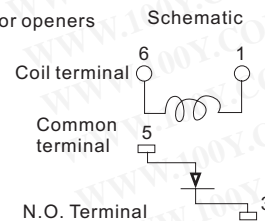


FEATURES

- High inrush current capability
 - 1 Form A: 163 A inrush (TV-8)
 - 2 Form A: 111 A inrush (TV-5)
- High dielectric withstanding for transient protection: JC can withstand 10,000 V surge in μs between coil and contact.
- Electrical life:
 - 1 Form A: 10⁵ ope. at 15 A 250 V AC resistive load
 - 2 Form A: 10⁵ ope. at 10 A 250 V AC resistive load
- UL/CSA, VDE, TÜV, SEMKO also approved.

TYPICAL APPLICATIONS

Automatic garage door openers, Microwave ovens, Dryers, Vending machines, Copiers, Air conditioners, Stereo equipment, TV sets



Characteristics

Maximum operating speed		20 cpm.
Initial insulation resistance*1		Min. 100 MΩ at 500 V DC
Shock resistance	Functional**	196 m/s ² {20 G}
	Destructive*5	980 m/s ² {100 G}
Vibration resistance	Functional*6	98 m/s ² {10 G}, 10 to 55 Hz at double amplitude of 1.6 mm
	Destructive	117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm

SPECIFICATIONS Contact

Arrangement		1 Form A
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		30 mΩ
Contact material		AgSnO ₂ type
Rating (resistive load)	Maximum switching power	3,750 VA
	Maximum switching voltage	250 V AC
	Max. switching current	15 A
Min. switching capacity*1		100 mA, 5 V DC

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46984	JC1aF-TM-DC24V-F	NAIS	COMPACT POWER RELAYS	24V	JC

