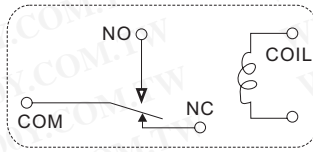
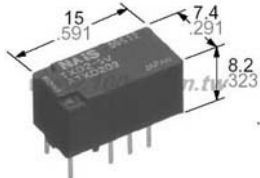




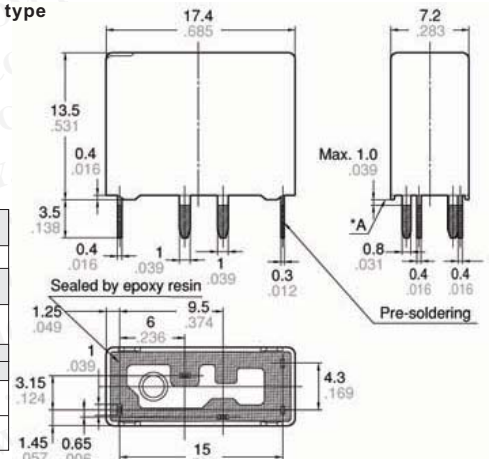
Relays & Solenoids

NAIS_PCB Relays

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



Slim 1c type



SPECIFICATIONS

Contact		Arrangement		1 Form Cx2 1 Form C
Contact material		Ag alloy (Cadmium free)		
Initial contact resistance (initial) (By voltage drop 6 VDC 1 A)		Typ. 7mΩ(N.O.) Typ. 10mΩ(N.C.)		
Rating	Nominal switching capacity	N.O.: 20A 14V DC N.C.: 10A 14V DC		
	Max. carrying current (N.O.)	35A for 2 minute, 25A for 1 hour (14V, at 20°C 68°F) 30A for 2 minutes 20A for 1 hour (14V, at 85°C 185°F)		
	Min. switching capacity^{#1}	1A 12V DC		
Expected life (min. Operation)	Mechanical (at 120 cpm)	Min. 10 ⁷		
	Electrical	Resistive load	Min. 105 ⁻¹	
		Motor load	Min. 2x10 ⁵ (free) Min. 10 ⁵ (lock)	

Characteristics

Max. operating speed (at nominal switching capacity)	6 cpm	
Initial insulation resistance^{#4}	Min. 100 MΩ (at 500 V DC)	
Operate time^{#6} (at nominal voltage) (at 20°C 68°F)	Max. 10ms (Initial)	
Release time^{#6} (at nominal voltage) (at 20°C 68°F)	Max. 10ms (Initial)	
Shock resistance	Functional^{#7}	Min. 100 m/s ² {10G}
	Destructive^{#8}	Min. 1,000 m/s ² {100G}
Vibration resistance	Functional^{#9}	10 Hz to 100 Hz, Min. 44.1 m/s ² {4.5G}
	Destructive^{#10}	0 Hz to 500 Hz, Min. 44.1 m/s ² {4.5G}

Coil

Nominal operating power: 800 mW

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47123	ACT112	NAIS	SUPER MINIATURE TWIN TYPE AUTOMOTIVE RELAY	12V	CT

FEATURES

- Low profile:** 22.5 mm(L)×15 mm(W)×15.7 mm(H)
886 inch(L)×.591 inch(W)×.618 inch(H)
- Low temperature rise**
Terminal temperature has been reduced compared with using our conventional product
- Low sound pressure level/Noise level**
has been reduced approx. 10dB compared with using our conventional product.
- Wide line-up**
Micro ISO/Micro 280 terminal types and resistor and diode inside type, PCB terminal type (Micro 280 only).
- Plastic sealed type**
Plastically sealed for automatic cleaning.
- Compact and high-capacity 20A load switching**
N.O.: 20A 14V DC, N.C.: 10A 14V DC (Max. carrying current: at 85°C 185°F)



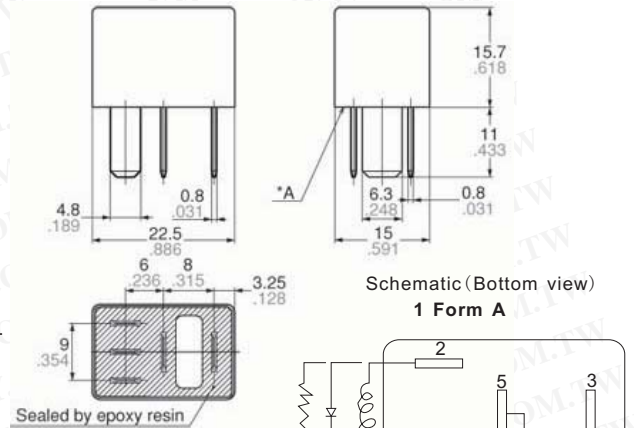
TYPICAL APPLICATIONS

- Headlights
- Magnetic clutches
- Radiator fans
- Blowers
- Fog lamps
- Tail lights
- Heaters
- Defoggers
- Horns
- Condenser fans, etc.

Contact

Arrangement		1 Form A	1 Form C
Contact material		Ag alloy (Cadmium free)	
Initial contact resistance (Initial) (By voltage drop 6 V DC 1 A)		Typ. 3 mΩ	
Contact voltage drop		N.O.: Max. 0.2 V (at 20 A)	N.O.: Max. 0.2 V (at 20 A switching) N.C.: Max. 0.5 V (at 10 A switching)
Rating	Nominal switching capacity	N.O.: 20 A 14 V DC	N.O.: 20 A 14 V DC N.C.: 10 A 14 V DC
	Max. carrying current (Continuous, at 85°C 185°F)	N.O.: 20 A 12 V DC	N.O.: 20 A 12 V DC N.C.: 10 A 12 V DC
	Min. switching capacity^{#1}	1 A 12 V DC	
Expected life (min. Operation)	Mechanical (at 120 cpm)	Min. 10 ⁶	
	Electrical (at rated load)	Min. 10 ⁵ -1	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47127	ACV11012	NAIS	AUTOMOTIVE LOW PROFILE MICRO-ISO/MICRO-280 RELAY	12V	CV



Coil

Nominal operating power:
0.8 W, 1.0 W (with resistor inside type)

Characteristics

Max. operating speed (at nominal switching capacity)	15cpm	
Initial insulation resistance^{#2}	Min. 20MΩ (at 500 V DC)	
Initial breakdown voltage^{#3}	Between open contacts	500 Vrms for 1min.
	Between contacts and coil	500 Vrms for 1min.
Operate time^{#4} (at nominal voltage) (at 20°C 68°F)	Max. 10ms (initial)	
Release time^{#4} (at nominal voltage) (at 20°C 68°F)	Max. 10ms (initial) Max. 15ms (initial) (with diode inside type)	
Shock resistance	Functional^{#5}	Min. 100 m/s ² {10 G}
	Destructive^{#6}	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional^{#7}	10 Hz to 100 Hz, Min. 44.1 m/s ² {4.5 G}
	Destructive^{#8}	10 Hz to 500 Hz, Min. 44.1 m/s ² {4.5 G}

