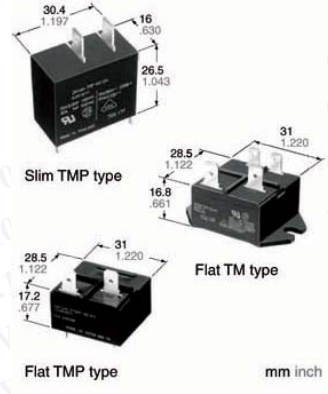




Relays & Solenoids

NAIS_PCB Relays

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



TYPICAL APPLICATIONS

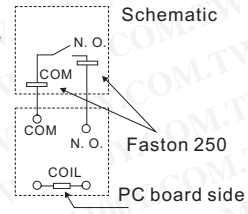
- Compressor and heater control in air conditioners
- Power control in hot air type heaters
- Magnetron control in microwave ovens
- Lamp and motor control in OA equipment such as copiers and facsimiles.

SPECIFICATIONS Contact

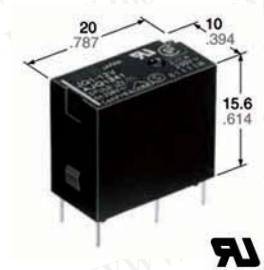
| | | |
|---|----------------------------|---------------|
| Arrangement | 1 Form A | |
| Initial contact resistance, max. (By voltage drop 6 V DC 1 A) | 30 mΩ | |
| Contact material | AgSnO ₂ type | |
| Rating (resistive load) | Nominal switching capacity | 20 A 250 V AC |
| | Max. switching power | 5,000 VA |
| | Max. switching voltage | 250 V AC |
| | Max. switching current | 20 A |
| Min. switching capacity ^{#1} | 100 mA, 5 V DC | |

Characteristics

| | | |
|---|---------------------------|---|
| Max. operating speed | 180 cpm | |
| Initial insulation resistance* ¹ | Min. 100 MΩ (at 500 V DC) | |
| Shock resistance | Functional* ⁵ | Min. 98 m/s ² {10 G} |
| | Destructive* ⁶ | Min. 980 m/s ² {100 G} |
| Vibration resistance | Functional* ⁷ | 10 to 55 Hz at double amplitude of 1.6 mm |
| | Destructive | 10 to 55 Hz at double amplitude of 2 mm |
| Unit weight | Flat TMP | Approx. 32 g 1.13 oz |



| Part No. | Product No. | Manufacturer | Description | Coil Voltage | Type |
|----------|--------------------|--------------|--|--------------|------|
| 47002 | JM1aN-ZTMP-DC24V-F | NAIS | COMPACT POWER RELAY FOR INDUCTIVE LOAD | 24V | JM |

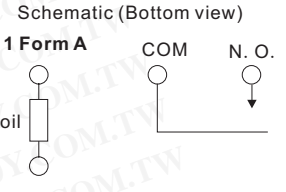


FEATURES

- High electrical noise immunity
- High switching capacity in a compact package
- High sensitivity: 200 mW (1a), 400 mW (1c)
- High surge voltage: 8,000 V between contacts and coil
- UL, CSA, VDE, TÜV, SEMKO approved
- Class B coil insulation type available

TYPICAL APPLICATIONS

- Air conditioners
- Refrigerators
- Microwave ovens
- Heaters



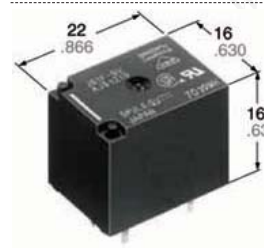
SPECIFICATIONS Characteristics

| | | |
|---|---------------------------|--|
| Max. operating speed | 20 cpm | |
| Initial insulation resistance* ¹ | Min. 1,000 MΩ at 500 V DC | |
| Shock resistance | Functional* ⁶ | Min. 294 m/s ² {30 G} |
| | Destructive* ⁷ | Min. 980 m/s ² {100 G} |
| Vibration resistance | Functional* ⁸ | 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 2.0 mm |
| Unit weight | Approx. 7 g .25 oz | |

Contact

| | | | |
|---|----------------------------|--|----------------------|
| Arrangement | Standard type | High capacity type | |
| Initial contact resistance, max. (By voltage drop 6 V DC 1 A) | 100 mΩ | | |
| Contact material | AgSnO ₂ type | | |
| Rating (resistive) | Nominal switching capacity | 1a 5 A 125 V AC, 2 A 250 V AC, 5 A 30 V DC | |
| | Max. switching power | 1a 625 VA, 150 W | |
| | Max. switching voltage | 250 V AC, 110 V DC (0.3A) | |
| | Max. switching current | N.O.: 5 A N.C.: 2 A | N.O.: 10 A N.C.: 3 A |
| Min. switching capacity ^{#1} | 100 mA, 5 V DC | | |

| Part No. | Product No. | Manufacturer | Description | Coil Voltage | Type |
|----------|-------------|--------------|---|--------------|------|
| 47857 | JQ1a-12V | NAIS | HIGH ELECTRICAL/MECHANICAL NOISE IMMUNITY RELAY | 12V | JQ |
| 46971 | JQ1aP-24V-F | NAIS | HIGH ELECTRICAL/MECHANICAL NOISE IMMUNITY RELAY | 24V | JQ |

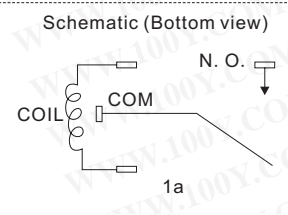


FEATURES

- Miniature size with universal terminal footprint
- High contact capacity: 10 A
- Class B coil insulation type available
- TV-5 type available (Standard type)
 - 1 Form A type → TV-5
 - 1 Form C type → TV-5 (N.O. side only)
- VDE, TÜV also approved
- Sealed construction for automatic cleaning (Standard type)

TYPICAL APPLICATIONS

1. Home appliances Air conditioner, heater, etc.
2. Automotive Power-window, car antenna, door-lock, etc.
3. Office machines PPC, facsimile, etc.
4. Vending machines



SPECIFICATIONS Characteristics

| | | |
|-------------------------------|---------------------------|--|
| Max. operating speed | 20 cpm | |
| Types | Standard type | |
| Initial insulation resistance | Min. 100 MΩ (at 500 V DC) | |
| Shock resistance | Functional* ³ | Min. 98 m/s ² {10 G} |
| | Destructive* ⁴ | Min. 980 m/s ² {100 G} |
| Vibration resistance | Functional* ⁵ | Approx. 98 m/s ² {10 G}, 10 to 55 Hz at double amplitude of 1.6 mm |
| | Destructive | Approx. 117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm |
| Unit weight | Approx. 12 g .423 oz | |

Contact

| | | |
|---|----------------------------|--|
| Types | Standard type | |
| Arrangement | 1 Form A, 1 Form C | |
| Initial contact resistance, max. (By voltage drop 6 V DC 1 A) | 100 mΩ | |
| Contact material | AgSnO ₂ type | |
| Rating (resistive load) | Nominal switching capacity | 10 A 250 V AC 10 A 125 V AC 6 A 277 V AC |
| | Max. switching power | 2,500 VA |
| | Max. switching voltage | 250 V AC, 100 V DC |
| | Max. switching current | 10 A (AC), 5 A (DC) |
| Min. switching capacity ^{#1} | 100 mA, 5 V DC | |

| Part No. | Product No. | Manufacturer | Description | Coil Voltage | Type |
|----------|-------------|--------------|-------------------------------------|--------------|------|
| 46972 | JS1aF-24V-F | NAIS | MINIATURE PC BOARD TYPE POWER RELAY | 24V | JS |



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