



Relays & Solenoids

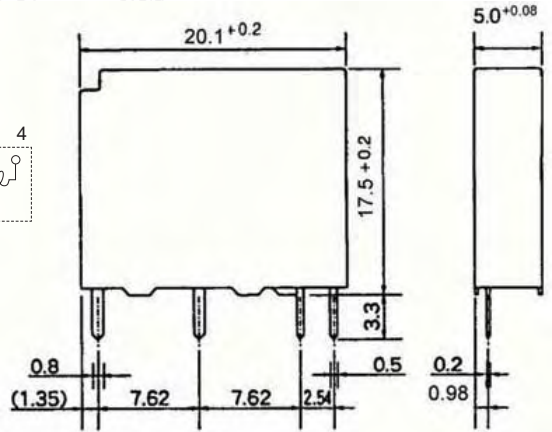
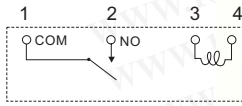
Takamisawa PCB Relays

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



FEATURES:

- Ultra slim type with 5 mm thickness
—Good for high density mounting
- Low power consumption and high sensitivity
—Nominal coil power: 120 mW
—Operating power: 54 mW
- UL, CSA, VDE recognized
- Conforms to IEC 1010-1 and 1131-2
- Wide operating range
- SIL pitch terminals
- Plastic sealed type
- Compatible with solid state I/O module type SN
(see page 376) in size and pin (terminal) arrangement
- Environmentally friendly cadmium free contact type is available.



SPECIFICATIONS

Contact

Arrangement: 1 form A (SPST-NO)
 Material: Gold overlay silver alloy
 Style: Bifurcated
 Resistance (initial): Maximum 30 m (at 1 A 6 VDC)
 Rating (resistive): 5 A 250 VAC or 5 A 30 VDC
 Maximum Carrying Current: 5 A
 Maximum Switching Power: 750 VA, 90 W
 Maximum Switching Voltage: 270 VAC, 125 VDC
 Maximum Switching Current: 5 A
 Minimum Switching Load*: 1mA 5 VDC

Coil

Nominal Power (at 20°C): 0.12W
 Operate Power (at 20°C): 0.054 W
 Operating Temperature: -40°C to +90°C (no frost)
 (refer to the CHARACTERISTIC DATA)

Time Value

Operate (at nominal voltage): Maximum 10 ms
 Release (at nominal voltage): Maximum 5 ms

Life

Mechanical: 2 x 10⁷ operations minimum
 Electrical: 1.5 x 10⁵ operations minimum (at 5 A 30VDC)
 1.5 x 10⁵ operations minimum (at 3 A 120 VAC)
 3 x 10⁴ operations minimum (at 5 A 250 VAC)

Other

Weight: Approximately 3.5 g

| Part No. | Product No. | Manufacturer | Description | Coil Voltage | Contact Arrangement | Contact Rating | Outline L*W*H | Recognized Safety | Type |
|----------|-------------|--------------|-----------------------------------|--------------|---------------------|--------------------|---------------|-------------------|------|
| 36632 | NY-12W-K | TAKAMISAWA | Takamisawa_NY12W-K PCB Relay | 12Vdc | 1A | 5A/250VAC | 5 x20 x17(mm) | UL , CSA , VDE | NY |
| 18691 | NY-24W-K | TAKAMISAWA | TAKAMISAWA_Power Relay | 24VDC | 1 Form A(SPST-NO) | 5A 250VAC/5A 30VDC | 20.1*5*17.5 | UL , CSA , VDE | NY |
| 36624 | NY-4.5W-K | TAKAMISAWA | TAKAMISAWA_NY4.5W-K 1P 4pin Relay | 4.5Vdc | 1A | 5A/250VAC | 5 x20 x17(mm) | UL , CSA , VDE | NY |
| 28779 | NY-5W-K | TAKAMISAWA | TAKAMISAWA_Power Relay | 5VDC | 1 Form A(SPST-NO) | 5A 250VAC/5A 30VDC | 20.1*5*17.5 | UL , CSA , VDE | NY |
| 36631 | NY-9W-K | TAKAMISAWA | TAKAMISAWA_NY9W-K 1P 4pin Relay | 9V | 1A | 5A/250VAC | 5 x20 x17(mm) | UL , CSA , VDE | NY |

FEATURES:

- Ultra high sensitivity
- High reliability-bifurcated contacts
- Conforms to FCC rules and regulations Part 68
—Dielectric strength 1,500 VAC between coil and contacts
—Surge strength 1,500 V
- UL, CSA recognized
- Wide operating range
- DIL pitch terminals
- Plastic sealed type
- Latching type available
- Dial-pulse relay available
- RoHS compliant since date code: 0418H
Please see page 7 for more information



SPECIFICATIONS

Contact

Arrangement: 2 form C (DPDT)
 Material: Gold overlay silver alloy
 Style: Bifurcated
 Resistance (initial): Maximum 100 m (at 1 A 6 VDC)
 Rating (resistive): 0.5 A 120 VAC or 1 A 24 VDC
 Maximum Carrying Current: 2 A
 Maximum Switching Power: 60 VA, 24 W
 Maximum Switching Voltage: 250 VAC, 220 VDC
 Maximum Switching Current: 2 A
 Minimum Switching Load*: 0.01 mA 10 mVDC
 Capacitance(10 MHz): Approximately 1.5 pF (between open contacts),
 1.0 pF (adjacent contacts) Approximately 1.7 pF
 (between coil and contacts)

Coil

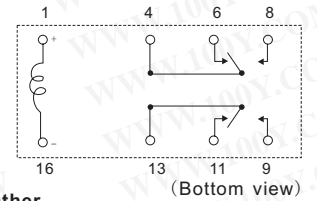
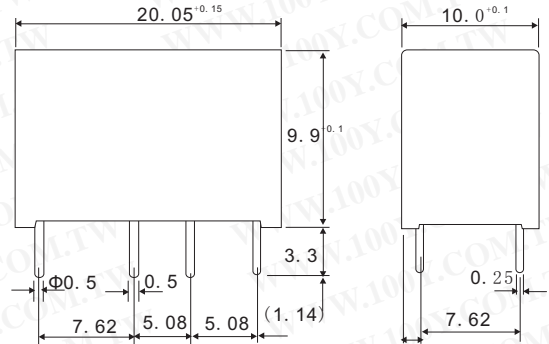
Nominal Power (at 20°C): 0.15 to 0.2 W
 Operate Power (at 20°C): 0.07 to 0.09 W
 Operating Temperature: -40°C to +80°C (no frost)
 (refer to the CHARACTERISTIC DATA)

Time Value

Operate (at nominal voltage): Maximum 6 ms (set)
 Release (at nominal voltage): Maximum 6 ms (reset)

Life

Mechanical: 2 x 10⁷ operations minimum
 Electrical: 2 x 10⁵ ops. min. (0.5 A 120 VAC),
 5x10⁵ ops. min. (1 A 24 VDC)



Other

Weight: Approximately 3.7 g
 Vibration Resistance
 Misoperation: 10 to 55 Hz (double amplitude of 5.0 mm)
 Endurance: 10 to 55 Hz (double amplitude of 5.0 mm)

| Part No. | Product No. | Manufacturer | Description | Coil Voltage | Contact Arrangement | Contact Rating | Outline L*W*H | Recognized Safety | Type |
|----------|-------------|--------------|---------------------------|--------------|---------------------|----------------------|---------------|-------------------|------|
| 46493 | RAL-D5W-K | TAKAMISAWA | TAKAMISAWA_Minature Relay | 5VDC | 2 Form C(DPDT) | 0.5A 120VAC/1A 24VDC | 20.05*10*9.9 | UL,CSA | RA |

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