



# Relays & Solenoids

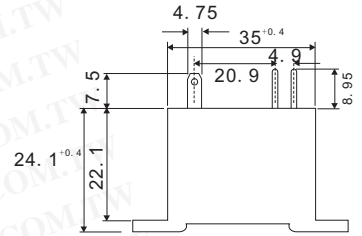
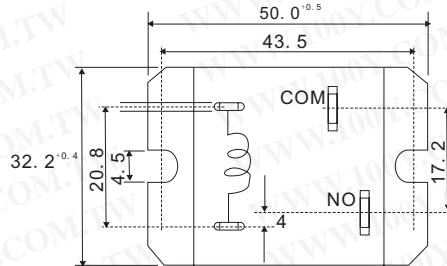
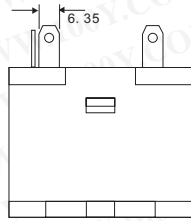
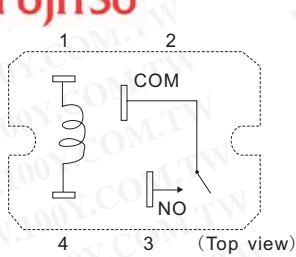
## Takamisawa\_PCB Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

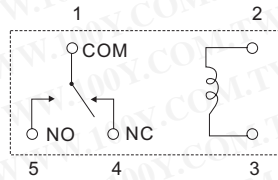
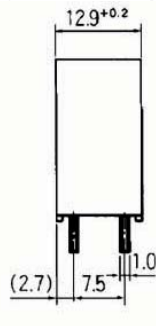
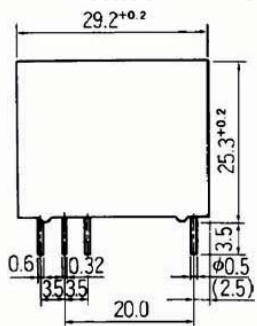


### FEATURES

- UL, CSA, VDE recognized TV-15 rated
- 1 Form A (SPST-NO) contact
- Heavy duty 20 to 30A small power relay
- High inrush current and high surge voltage
  - Inrush current 65A
  - Surge strength 10, 000V
- Printed circuit coil terminals type available
- Small package meets high density mounting requirement
- RoHS compliant since date code: 0435L2  
Please see page 7 for more information



| Part No. | Product No. | Description | Coil Voltage | Contact Arrangement | Recognized Safety | Type |
|----------|-------------|-------------|--------------|---------------------|-------------------|------|
| 48542    | VF-12HU     | POWER RELAY | 12V          | 1 POLE              | UL, CSA, VDE      | VF   |



### Coil

Nominal power (at 20°C) : Standard type: 0.7 to 0.75 W. High sensitivity type: 0.53W  
 Operate power (at 20°C) : Standard type: 0.35 to 0.37W. high sensitivity type: 0.26W  
 Operating temperature: standard type: -40°C to +65°C. High sensitivity type: -40°C to +75°C (no frost)

### FEATURES

- UL, CSA, VDE, SEV, SEMKO, FIMKO, IMQ recognized
- TV-5, TV-8 rated
- Working class: C
- UL class B (130C) insulation
- Type of service: continuous duty
- Heavy duty miniature slim type power relay
- High isolation in small package
  - Insulation distance: 8 mm
  - Dielectric strength: 5,000 VAC (between coil and contacts)
  - Surge strength: 10,000 V
- Standard and high sensitivity types available
- Flux free type and plastic sealed type available
- Lead Free since date code: 0437L2  
Please see page 8 for more information

### Time value

Operate (at nominal voltage) : Maximum 20ms  
 Release (at nominal voltage) : Maximum 10ms

### Other

Weight: Approximately 17g



### SPECIFICATIONS

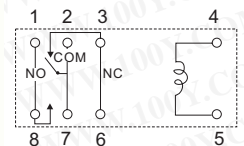
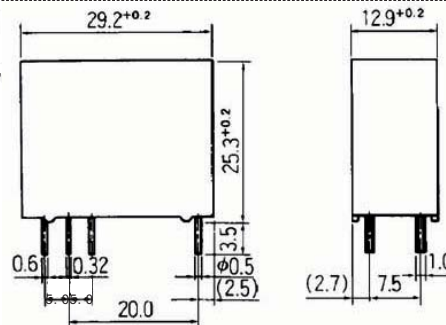
#### Contact

Arrangement: 1 form A (SPST-NO) Or  
 Material: Silver cadmium-oxide  
 Style: Single  
 Resistance (initial) (at 1A 6VDC) : Max. 100m  
 Rating (resistive) : 10A 240VAC/24VDC  
 Max. switching power: 2400VA/240W  
 Max. switching current: 10A  
 Min. switching load\*1 : 100mA 5VDC (VS-NR, M, 5, E), 10mA 5VDC (VS-)

| Part No. | Product No. | Manufacturer | Description                      | Coil Voltage | Contact Arrangement | Contact Rating   | Outline L*W*H  | Recognized Safety | Type |
|----------|-------------|--------------|----------------------------------|--------------|---------------------|------------------|----------------|-------------------|------|
| 45376    | VS-24TBU-5  | TAKAMISAWA   | TAKAMISAWA_VS Series POWER RELAY | 24VDC        | 1 form C (SPDT)     | 10A 24VDC/240VAC | 29.2*12.9*25.3 | UL, CSA, VDE, SEV | VS   |

### FEATURES

- All or nothing relay
- UL, CSA, VDE, SEV, FIMKO, SEMKO, IMQ, ÖVE, BSI recognized
- Working class: C
- Type of service: continuous duty
- Heavy duty 16 A miniature power relay
- UL Class B (130C) insulation
- High isolation in small package
  - Insulation distance: 8 mm
  - Dielectric strength: 5,000 VAC (between coil and contacts)
  - Surge strength: 10,000 V
- Low power consumption and high sensitivity type available VSB-S)
- Plastic sealed (with tape) type available



• If you cannot find the components you want on the catalogue, please call us.



Taiwan: 886-3-5753170  
 Shanghai: 021-54151736 Shenzhen: 0755-83298787

## Centenary Materials

Waiting for your phone call



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