

S17 RELAY

SHORI

◆ Features

- S17 Relay Performs high reliability in dry circuit.
- Low current and low profile miniature PCB relay.
- Plastic sealed and flow solder types are available.
- Fine Ag contacts with rating 1A and 3A.



◆ Coil Data [at 20°C]

- Standard Type

| Rated voltage (V) | Coil Resistance ±10% (Ω) | Rated Current ±10% (mA) | Pick up Voltage (Max) | Drop out Voltage (Min) | Max continuous Voltage | Power consumption At rated Voltage |
|-------------------|--------------------------|-------------------------|-----------------------|------------------------|---------------------------|------------------------------------|
| 3 | 20 | 150 | 75% of rated voltage | 5% of rated voltage | 130% Max of Rated voltage | Approx.0.45W |
| 5 | 56 | 90 | | | | |
| 6 | 80 | 75 | | | | |
| 9 | 180 | 50 | | | | |
| 12 | 320 | 37.5 | | | | |
| 24 | 1280 | 18.8 | | | | |
| 48 | 5120 | 9.3 | | | | |

- High sensitivity Type

| Rated voltage (V) | Coil Resistance ±10% (Ω) | Rated Current ±10% (mA) | Pick up Voltage (Max) | Drop out Voltage (Min) | Max continuous Voltage | Power consumption At rated Voltage |
|-------------------|--------------------------|-------------------------|-----------------------|------------------------|---------------------------|------------------------------------|
| 3 | 45 | 66.7 | 75% of rated voltage | 5% of rated voltage | 130% Max of Rated voltage | Approx.0.2W |
| 5 | 125 | 40 | | | | |
| 6 | 180 | 33.3 | | | | |
| 9 | 400 | 22.5 | | | | |
| 12 | 700 | 17 | | | | |
| 24 | 2800 | 8.6 | | | | |

◆ Contact Rating

| | |
|----------------|---------------------|
| Resistive load | 3A/120VAC, 3A/24VDC |
|----------------|---------------------|

◆ Type List

| Terminal style | Contact form | Type | Designation(provided with) | |
|----------------|--------------|------------------|----------------------------|----------------------|
| | | | Sealed type | Sealed type washable |
| PCB terminal | 1C(SPDT) | Standard | S17-12 | S17-12-S |
| | 1C(SPDT) | High sensitivity | S17-12B | S17-12B-S |

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◆ Ordering information

S17 - 12B - S
 1 2 3 4

1. S17 -- Basic series designation
 3. B -- High sensitivity Type
 Blank: Standard Type

2. 12 -- Coil Voltage (3V~48V)
 4. S -- Sealed type washable
 Blank -- Sealed type

◆ Specification

| | | |
|-------------------------------|--|---|
| Contact material | Ag Alloy | |
| Contact resistance | 100 mΩ Max | |
| Operate time | 10 ms Max | |
| Release time | 5 ms Max | |
| Insulation resistance | 100 MΩ Min. (DC 500V) | |
| Dielectric strength | Between open contact : AC 500V ,50/60Hz 1 min. | |
| | Between contact and coil : AC 1000V, 50/60Hz 1 min. | |
| Vibration resistance | Operating extremes | 10~50Hz, amplitude 1.5 mm |
| | Damage limits | 10~50Hz, amplitude 1.5 mm |
| Shock resistance | Operating extremes | 10G |
| | Damage limits | 100G |
| Life expectancy | Mechanical | 10,000,000 operations (frequency 18,000 operations/hr) |
| | Electrical | 100,000 operations (frequency 1,800 operations/hr) |
| Operating ambient temperature | Standard Type(-25~+55°C),High sensitivity Type(-25~75°C) | |
| Weight | Approx 3.5 g | |

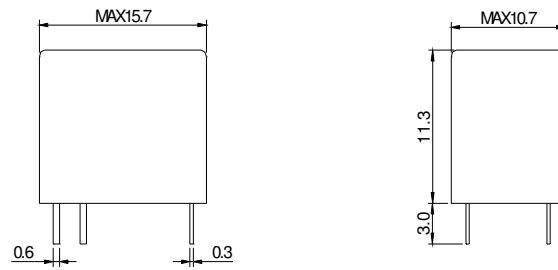
◆ Safety Approval

| | |
|-----------|--------|
| Certified | UL/CUL |
| File No. | |

◆ Safety Approval Rating

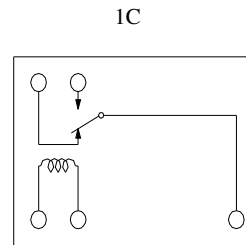
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|-----------|
| UL/CUL |
| 3A 120VAC |
| 3A 24VDC |

◆ Outline Dimension



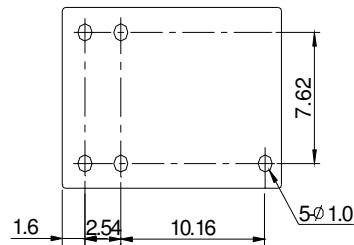
◆ Wiring Diagram

BOTTOM VIEW



◆ PC BOARD LAYOUT

BOTTOM VIEW



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◆ Engineering Data

