

T-25-31

Solid State Relay

Features

- Extremely Small And Light Weight
- Long Life And Maintenance Free
- High Isolation
- High Reliability, High Frequency Switching
- Complete Line-up
- Compliance With Safety Standards
- UL File Number E45026
- CSA Approval Number 86385



Actual size

Specifications

OUTPUT SIDE

Load Voltage Range

24 ~ 265Vrms
3 ~ 30VDC

Maximum Load Current

Type 0.5A AC
0.5Arms
Type 1A AC
1.0Arms
Type 1A DC
1.0A

1 Cycle Surge Current

Type 0.5A AC
5A
Type 1A AC
10Arms
Type 1A DC
3A (10ms)

Minimum Load Current

Type 0.5A AC
10mArms
Type 1A AC
50mArms
Type 1A DC
1mA

Maximum Off-State Leakage Current

3mArms AC (at 240V 60Hz)
0.1mA DC (at 30V)

Maximum On-State Voltage Drop

(Max. Load Current)
1.5Vrms AC
1.5V DC

INPUT SIDE

Voltages

Nominal (DC)
5V, 12V, 24V

Operate
± 20% of nominal voltage
Pick-up
80% of nominal voltage
Drop-out
1V DC minimum

Input Impedance (± 20%)

5V
360Ω AC
430Ω DC
12V
1.0KΩ AC
1.2KΩ DC
24V
2.0KΩ AC
2.4KΩ DC

GENERAL DATA

Insulation Resistance

1000MΩ minimum at 500V DC

Dielectric Strength

2500Vrms for 1 minute between input and output
50V DC between output terminals for standard type
80V DC between output terminals for high voltage type

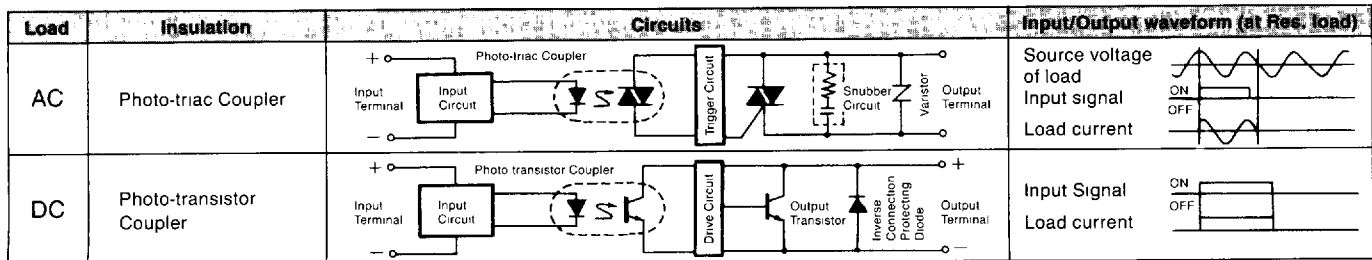
Temperature Range

- 30°C ~ + 80°C at nominal voltage

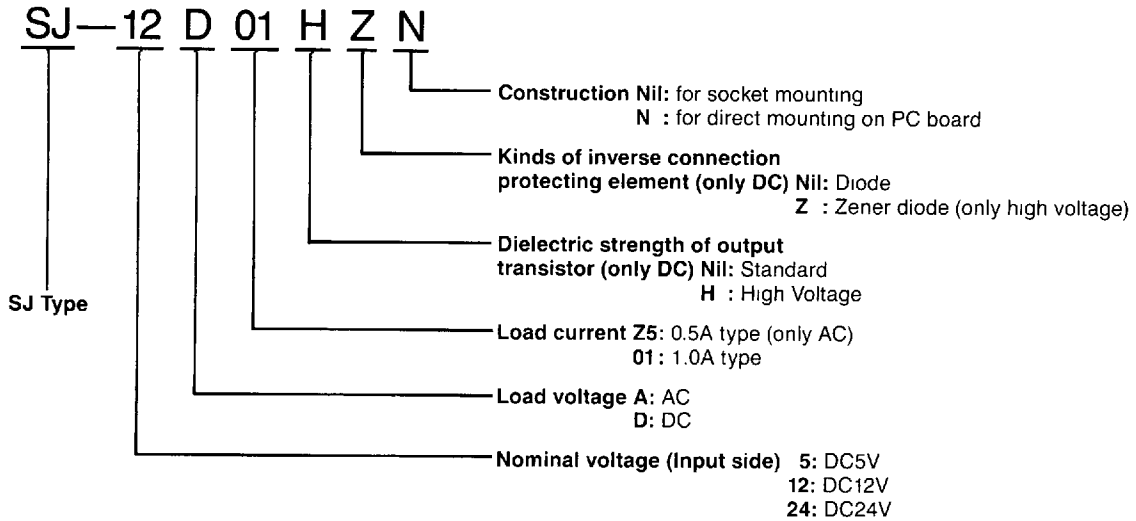
Time Values (maximum)

Operate
1ms
Release
1/2 cycle + 1ms (AC)
1ms (DC)

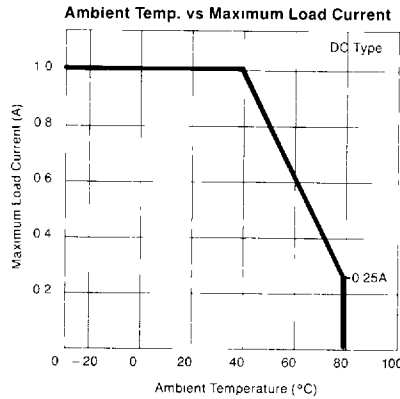
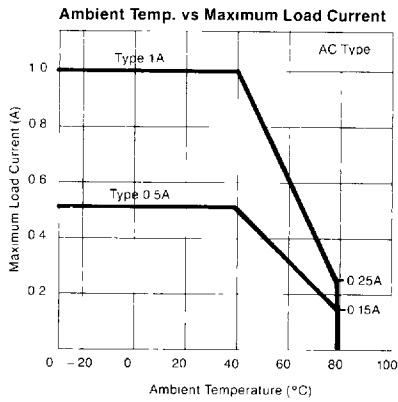
Block Diagram



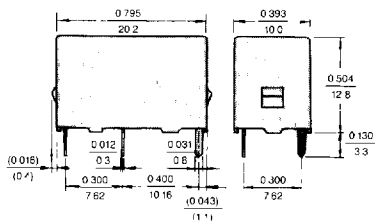
Ordering Information



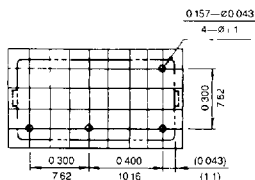
Characteristic Data



Dimensions

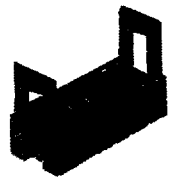


Drilling Plan Dimensions (bottom view)



Receptacle (Separate offer)

Standard IC socket is not recommended, Please use special socket "JK-4N"



Socket JK-4N

Wiring Diagram (bottom view)

- Polarity of terminals are pre-determined. Please design your circuit accordingly.
- The polarity shown in () is for DC load.

