

FSS1



Solid State Relay

- Ultra slim Type
- 2A Switching load
- Photo Isolation
- 600V Blocking Voltage
- 2000V Isolation
- Zero Voltage Turn-On
- PCB Mounting
- Sealed type

Technical data

Characteristics

- Insulation Resistance: 100M Ω Min. (500V DC)
- Dielectric Strength: 2000VAC ((1 minute)
- Operating Temperature Range: -30 °C to +80 °C
- Termination: PCB Terminals
- Weight: 5g Approx.

Output rating

- Voltage Range: 50-250VAC
- Max. Current Rating: 2A
- Surge Current (non repetitive): 30A
- Zero Voltage Switching: YES
- Dv/Dt: 100 v/ μ s
- Frequency Range: 47-70Hz
- Voltage Drop: 1.5VAC
- Min. Load Current: 100mA
- Leakage Current: 1.5mA
- Time Turn-on: 1/2 of Cycle + 1ms
- Time Turn-off: 1/2 of Cycle + 1ms

Coil rating

Input rating (at +20 °C)

Rated Voltage (VDC)	Voltage Range (VDC)	Impedance Ω +/- 10%	Current (mA)	Voltage On (V)	Current Off (V)
5	4 - 6	470	15	4	1
12	9.6 - 14.4	1500	15	9.6	1
24	19.2 - 28.8	3000	15	19.2	1

Ordering information

FSS1 - 101 Z DC 12V

Rated voltage

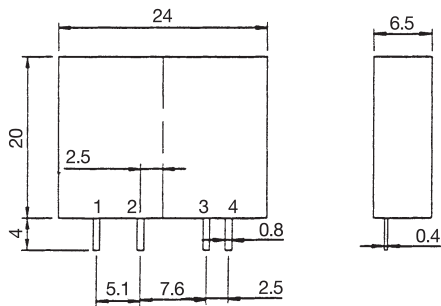
Output Form:
NIL: Phase
Z: Zero-Cross

Terminal Arrangement
101: Type 1
102: Tipe 2

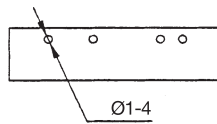
Relay model

DIMENSIONS (mm)

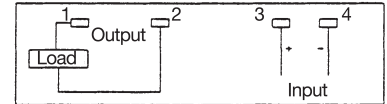
FSS1-101 (Type 1)



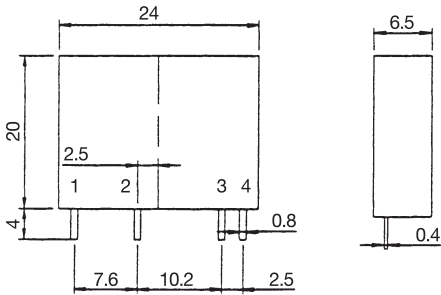
Mounting Holes



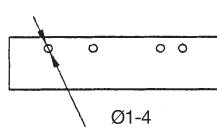
Terminal Arrangement (Bottom view)



FSS1-102 (Type 2)



Mounting Holes



Terminal Arrangement (Bottom view)

