

Solid State Relays

RS1-1D4-21



Features

- Thick Film Hybrid Construction
- High Current Thyristor for 100A Surge Capability
- 4KV Optical Isolation



Input Specifications

Control Voltage: 3-24VDC
 Min Turn on Voltage: 3.0VDC
 Max Input Voltage: 24VDC
 Drop Out Voltage: 1.0VDC
 Max Input Current: 25mA DC
 Nom Input Resistance: 1K Ohms

Output Specifications

Max Output Voltage: 280VAC
 Max Output Current: 4A @ 20°C Ambient
 Nom Line Voltage: 240Vrms
 Min Line Voltage: 24Vrms
 Max Line Voltage: 280Vrms
 Max Peak Off-State Vltg: 600V peak
 Static (Off-State) dv/dt: 200V/μs

Electrical Specifications

Max On-State Current: 3.5A
 Min On-State Current: 0.5A
 Max 1-Cycle Surge: 100A
 On State Voltage Drop: 1.6V peak
 Max On-State Leakage: 6.0mA rms

Environmental Characteristics

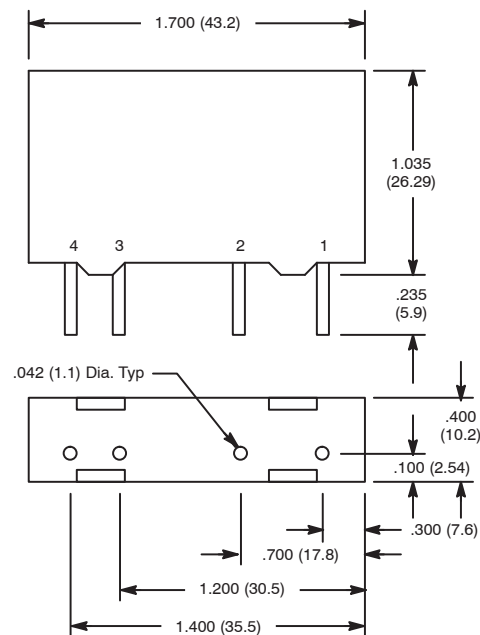
Operating: -30°C to +80°C
 Storage: -40°C to +100°C

Operational Characteristics

Response Time: 0.5 Cycle
 Capacitance Input to Output: 8pf Max
 Line Freq Range: 47 to 63 Hz

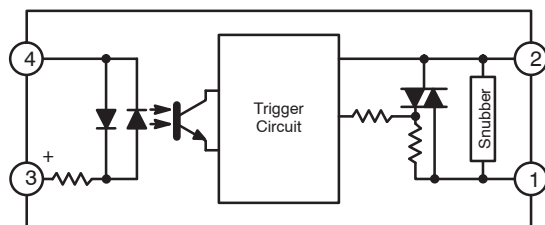
Printed Circuit Board Mountable Solid State Relay, 4 Amp.

D30



Tolerance: ±0.020 (±0.50)

Equivalent Circuit



ACCESSORIES

MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
DIN RAIL MOUNT	2-POSITION SOCKET	RLY9142