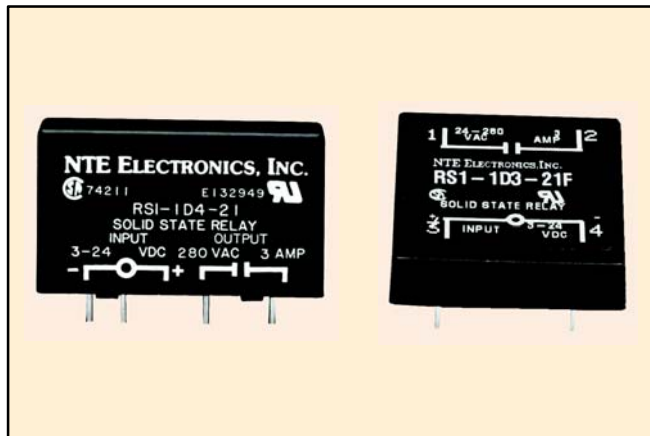


Features

- Thick Film Hybrid Construction
- High Current Thyristor for 100A Surge Capability
- 4KV Optical Isolation
- Available in Upright Package or Flat Pack (F Suffix)



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 (RS1–1D4–21)
 3A @ 20°C Ambient (RS1–1D3–21F)
 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

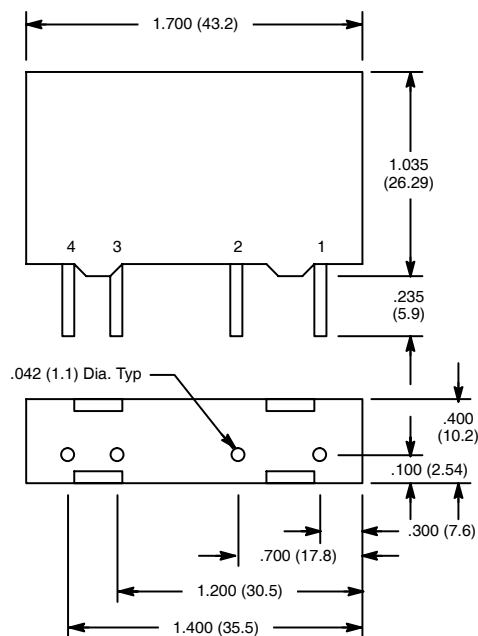
ACCESSORIES		
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
DIN RAIL MOUNT	1-POSITION SOCKET	RLY9141
DIN RAIL MOUNT	2-POSITION SOCKET	RLY9142
DIN RAIL MOUNT	4-POSITION SOCKET	RLY9144

RS1 Series

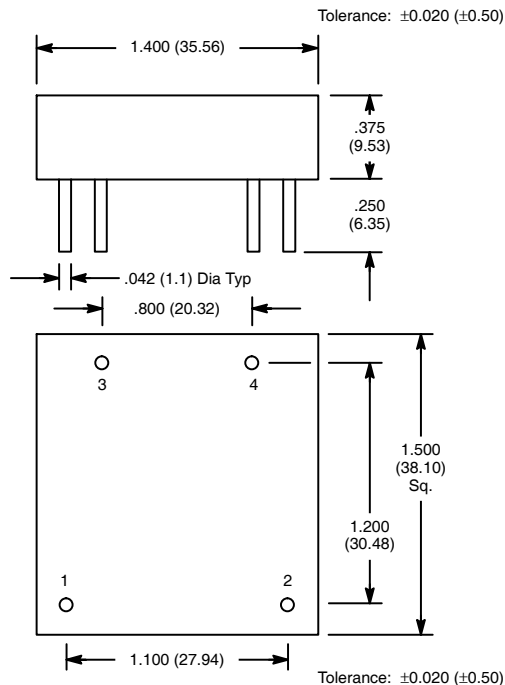


Printed Circuit Board Mountable Solid State Relay, 3 Amp & 4 Amp.

D30



D30a



Equivalent Circuit

