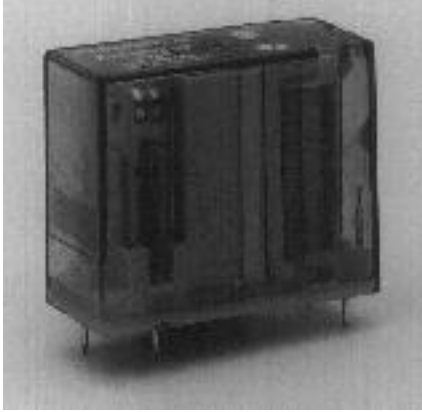


Features

- Sealed construction
- Long life
- Small size
- Low coil power
- PC board mount
- TV-5 type power relay

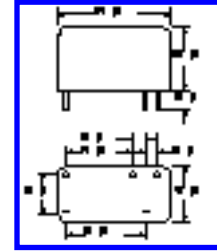


R22 Series



Slim Line, 16 Amp, SPST-NO & SPDT
Relays designed for use in TVs,
Door Openers, & Security Systems

Dimensional Drawings D51



Contact Arrangement

SPST-NO, SPDT,
1 Form "A" 1 Form "C"



Electrical Specifications

Contact

Contact Rating: 12 Amp (Continuous, Note 2) @ 250 VAC

Contact Material: AgCdo

Contact Resistance: 100M Ohms Max.

Coil

Coil Voltages: See Chart

Pick-up Voltages: 80% of rated voltage

Drop-out Voltage: 5% of rated voltage

Max Allowable Voltage: 110% of rated voltage

Operational Characteristics

Timing Value:

Operate Time: 30 mS Max

Release Time: 8 mS Max

Insulation Characteristics

Dielectric Strength:

Contact to Coil: 500 VRMS (1 Min)

Across Open Contacts: 1000 VRMS (1 Min)

Insulation Resistance: 100M Ohms min. @ 500

DC OPERATED

| NTE Type No. | Nom. Voltage | Contact Arr. | Coil Res. Ohms Typ | Nom. Power | Max. Contact Make Cur. @ 30VDC or 120VAC (Note 1) | Diag. No. |
|--------------|--------------|--------------|--------------------|------------|---|-----------|
| R22-1D16-5/6 | 5/6VDC | SPST-NO | 47 | 540mW | 16A | D51 |
| R22-1D16-12 | 12VDC | SPST-NO | 270 | 540mW | 16A | D51 |
| R22-1D16-24 | 24VDC | SPST-NO | 1100 | 540mW | 16A | D51 |
| R22-1D16-48 | 48VDC | SPST-NO | 4400 | 540mW | 16A | D51 |
| R22-5D16-5/6 | 5/6VDC | SPDT | 47 | 540mW | 16A | D51 |
| R22-5D16-12 | 12VDC | SPDT | 270 | 540mW | 16A | D51 |
| R22-5D16-24 | 24VDC | SPDT | 1100 | 540mW | 16A | D51 |
| R22-5D16-48 | 48VDC | SPDT | 4400 | 540mW | 16A | D51 |

Note 1. The maximum contact make current is defined as the maximum permitted current for 4 seconds duration with 10% duty cycle immediately after contact closure.

Note 2. Continuous contact current is defined as the maximum current a relay contact may carry continuously without exceeding temperature limits.

ACCESSORIES

| Mounting Styles | Description | NTE Type No. |
|-----------------|-----------------|--------------|
| PC Mount | 5-Pin Slim Line | R95-133 |
| DIN Rail Mount | 5-Pin Slim Line | R95-130 |

VDC

Environmental Characteristics

Operating: -30°C to +70°C

Mechanical Life: 10,000,000 operations min

Weight

Std: 13 grams - approx



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