#### Features

- Sealed Construction
- Long Life
- Small Size
- Low Coil Power
- PC Board Mount
- TV-5 Type Power Relay



D51

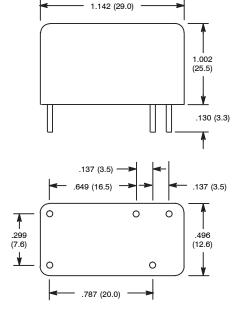
Slimline 16 Amp SPST–NO & SPDT Relays Designed for use in TVs, Door Openers, & Security Systems.



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.	
R22-1D16-3	3VDC	SPST-NO	12.5	720mW	16A	D51	
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	
R22-5D16-3	3VDC	SPDT	12.5	720mW	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.

ACCESSORIES					
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.			
PC MOUNT	5-PIN SLIM LINE	R95–133			
DIN RAIL MOUNT	5-PIN SLIM LINE	R95–130			



SPST-NO, 1 Form "A"

SPDT, 1 Form "C" O

# **Electrical Specifications**

#### Contact

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

Contact Material: AgCdo Contact Resistance:  $100M\Omega$  Max.

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

### Coil

Coil Voltages: See Chart Pick-up Voltage: 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: 100 MΩ Min. @ 500 VDC

## Environmental Characteristics

Operating: -30°C to +70°C Mechanical Life: 10,000,000 operations min

#### Weight

Std: 13 gram approx.