

Power Relays

R45 Series

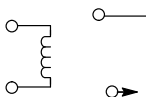


Features

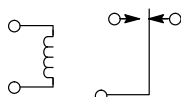
- .250" (6.35mm) Quick-Connect Terminals on Top
- .187" (4.70mm) Quick-Connect Terminals for Coil Diagram D42b only
- PC Mount Terminals on the Bottom of Non-Flange Types
- Flange Mount (F-suffix)
- Rugged, Miniature Construction
- Single-Pole Switching
- Epoxy Sealed



SPST-NO, 1 Form "A"

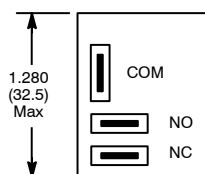


SPDT, 1 Form "C"

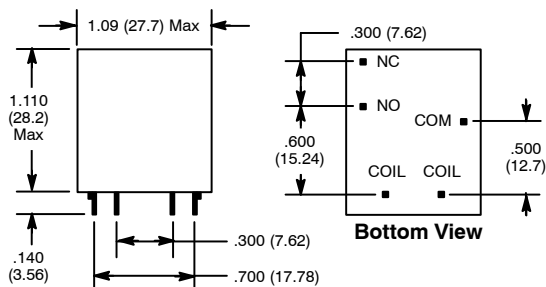
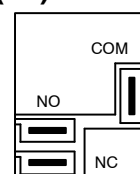


Industrial, Printed Circuit Mount, SPST and SPDT, 20 Amp and 30 Amp Relays for use in Machinery, Major Appliances, and Air Conditioning Controls.

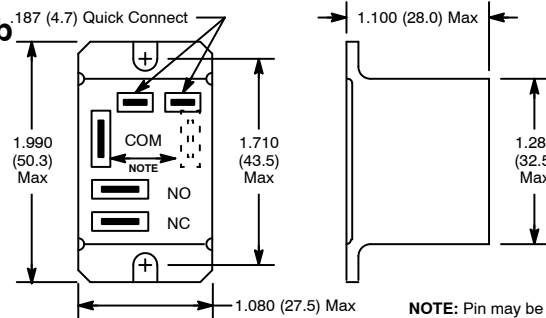
D42a



D42a (alt)



D42b



NOTE: Pin may be on one side or the other.

Electrical Specifications

Contact

Rating: 1 Form A (SPST-NO), 30 Amps at 240VAC/28VDC
1 Form C (SPDT), 20 Amps at 240VAC/28VDC

Resistance: See Chart

Coil

Coil Voltages: See Chart

Pick-up Voltage: 75% of Nom.

Drop-out Voltage: 10% of Nom.

Operational Characteristics

Timing Values **Operate Time:** 15mS

Release Time: 20mS

Insulation Characteristics

Dielectric Strength (Initial)

Contact to Contact: 1500VAC/1 minute

Coil To Contact: 1500VAC/1 minute

Environmental Characteristics

Operating: -55°C to +85°C

Storage: -55°C to +125°C

Life

Electrical: 100,000 operations min.

Mechanical: 10,000,000 operations min.

DC OPERATED						
NTE Type No.	Nom. Volt.	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Current @ 28VDC 240VAC	Diag No.
R45-1D30-5/6	5VDC	SPST-NO	28	900mW	30A	D42a
R45-1D30-5/6F	5VDC	SPST-NO	28	900mW	30A	D42b
R45-1D30-12	12VDC	SPST-NO	155	900mW	30A	D42a
R45-1D30-12F	12VDC	SPST-NO	155	900mW	30A	D42b
R45-1D30-24	24VDC	SPST-NO	660	900mW	30A	D42a
R45-1D30-24F	24VDC	SPST-NO	660	900mW	30A	D42b
R45-5D20-5/6	5VDC	SPDT	28	600mW	20A	D42a
R45-5D20-5/6F	5VDC	SPDT	28	600mW	20A	D42b
R45-5D20-12	12VDC	SPDT	155	600mW	20A	D42a
R45-5D20-12F	12VDC	SPDT	155	600mW	20A	D42b
R45-5D20-24	24VDC	SPDT	660	600mW	20A	D42a
R45-5D20-24F	24VDC	SPDT	660	600mW	20A	D42b