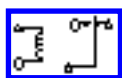
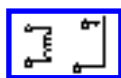


Features

- 1/4" Quick-Connect terminals on top
- Printed Circuit terminals on bottom
- Rugged, miniature construction
- Single-Pole switching
- Epoxy sealed
- **RED** indicates new device



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



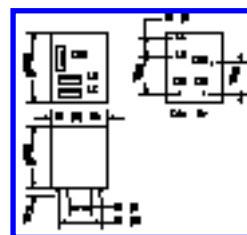
R45 Series



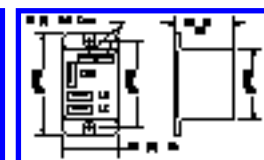
**Industrial, Printed Circuit Mount,
SPST and SPDT, 20 Amp and 30 Amp
Relays for use in Machinery, major
Appliance, and Air Conditioning
Controls**

Dimensional Drawings

D42a



D42b



Electrical Specifications

Contact

Contact Rating:

SPST-NO: 30 Amps @ 240VAC/28VDC

SPDT: 20 Amps @ 240VAC/28VDC

Contact Resistance: See Chart

Coil

Coil Voltages: See Chart

Pick-Up Voltages: DC: 75% of Nom., AC: 85% of Nom.

Drop-Out Voltages: DC: 10% of Nom., AC: 15% of Nom.

Operational Characteristics

Timing Value:

Operate Time: DC: 15 mS, AC: 20 mS

Release Time: DC: 20 mS, AC: 15 mS

Insulation Characteristics

Dielectric Strength: (Initial)

Contact to Contacts 1500 VAC / 1 minute min

Coil to Contact: 1500 VAC / 1 minute

Environmental Characteristics

Operating: -55°C to +85°C

Storage: -55°C to +125°C

Life

Electrical: 100,000 operations min.

DC OPERATED

NTE Type No.	Nom. Voltage	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

Mechanical: 10×10^6 (100,000,000) operations min



[Home](#) [Back](#)