



# 480VAC Three Phase Transient Voltage Filters

# RCD

## Specifications

### Electrical

#### Input Voltage:

Up to 480VAC, 3Ø, 50/60Hz.

**Capacitance:** 0.47 microfarads, ±10%

#### Resistance:

100 or 220 ohms, ±5%, 7 watts

#### Varistors:

Max. Allowable AC Voltage: 625VAC

Max. Clamping Voltage: 1650V @ 50A

Energy: 40 joules

#### Power Consumption:

72 watts @ 480VAC

### Physical

**Mounting:** Surface

#### Termination:

#16 Stranded Wire Leads

**Packaging:** Dust Cover

**Weight:** 12 Oz.

### Ambient Temperatures

**Operating:** -40°C to 60°C

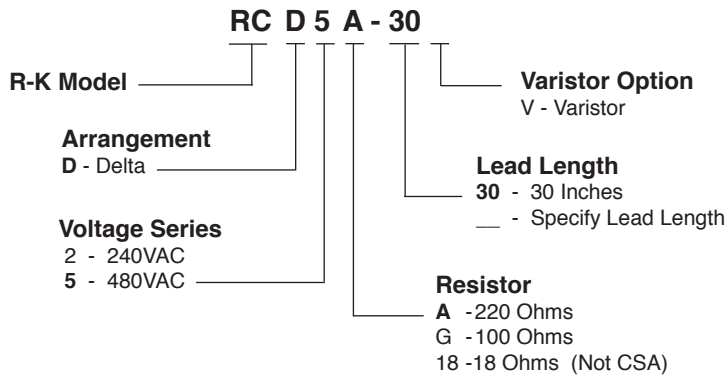
**Storage:** -40°C to 85°C

#### Hook-Up



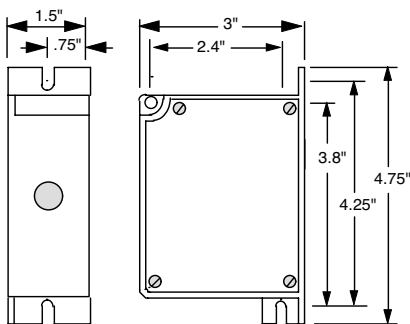
- 480 Volt Ratings
- Delta Configuration
- Three Phase (3Ø) Applications
- Varistor Options
- Single Package
- Stranded Wire Leads

## Ordering Information

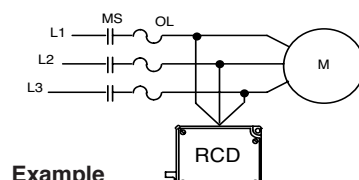
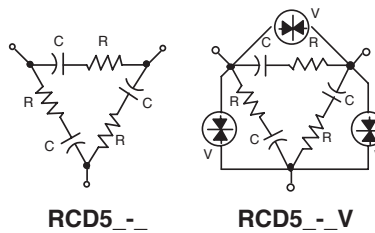


### DIN Rail Bracket #DRB-4

## Dimensions



## Connections



### Example

M = Motor

MS = Motor Starter

OL = Overloads

## Operation

### Transient Voltage Filters

R-C networks (Resistance-Capacitance) are applied to circuits where transient electrical voltages can cause a malfunction or damage in solid state controls or control systems (PLCs, CNCs, NCs, Solid State Counters, etc.) The RCD is typically applied in parallel with three phase inductive loads (motors) to absorb the transients generated when the load is disconnected from the line. It also absorbs electrical noise while the load is operating. The Varistor option provides additional protection by clamping the transients at a specific voltage level (Max. Clamping Voltage).