

# RCD

## 480VAC Three Phase Transient Voltage Filters



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



### 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).

### 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

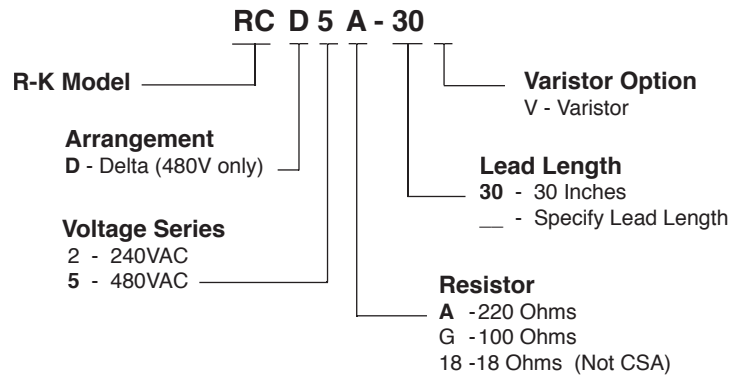
#### Physical

**Mounting:** Surface  
**Termination:**  
#16 Stranded Wire Leads  
**Packaging:** Dust Cover  
**Weight:** 12 Oz.

#### Ambient Temperatures

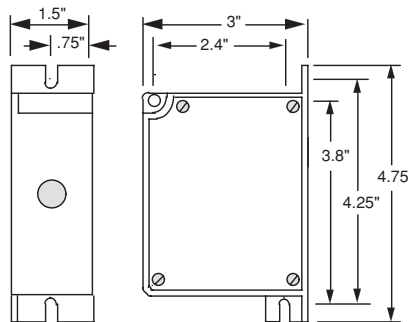
**Operating:** -40°C to 60°C  
**Storage:** -40°C to 85°C  
**Hook-Up**

### Ordering Information

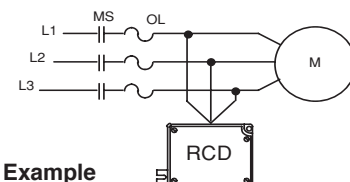
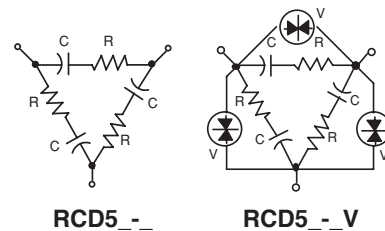


### DIN Rail Bracket #DRB-4

### Dimensions



### Connections



#### Example

M = Motor  
MS = Motor Starter  
OL = Overloads