



# 480VAC Single Phase Transient Voltage Filters

# RCS5

## Specifications

### Electrical

**Input Voltage:** Up to 480VAC, 1Ø, 50/60Hz.  
**Capacitance:** 0.47 microfarads, ±10%  
**Resistance:** 18 to 220 ohms, ±10%, 7 watts  
**Varistors:**  
 Max. Allowable AC Voltage: 625VAC  
 Max. Clamping Voltage: 1650V @ 50A  
 Energy: 40 joules  
**Power Consumption:** 10VA @ 480VAC

### Physical

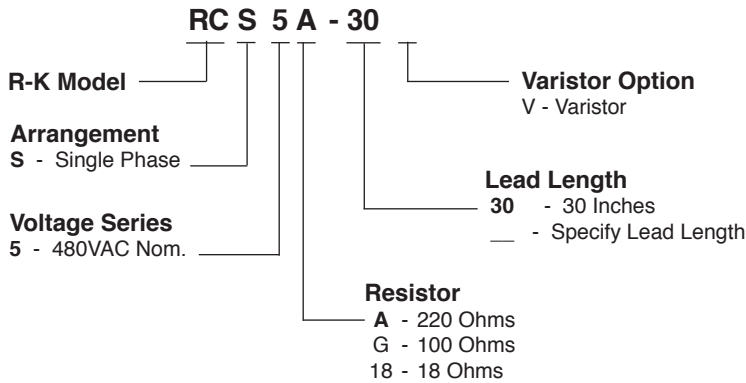
**Termination:** #16 Stranded Wire  
**Packaging:** Epoxy Filled  
**Weight:** 6 Oz.

### Ambient Temperatures

**Operating:** -40°C to 85°C  
**Storage:** -40°C to 85°C

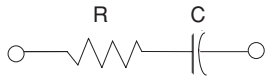


## Ordering Information

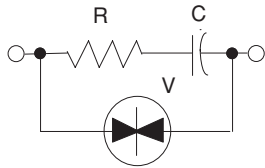


**DIN Rail Bracket #DRB-2**

## Connections



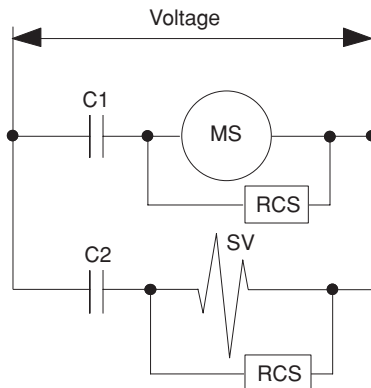
Without Varistor



With Varistor

### Hook-Up Example

MS = Motor Starter  
 SV = Solenoid Valve  
 C1 = Contact  
 C2 = Contact  
 RCS = R-C Network



- 480 Volt Rating
- Single Phase (1Ø) Applications
- Varistor Options
- 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 RCS5s are typically applied in parallel with single phase inductive loads (motor starter coils, contactor coils, solenoid valves, etc.) to absorb the transients generated when the load is de-energized.

## Dimensions

