



# 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:

Voltage Code	Max. Allowable AC Voltage	Max. Clamping Voltage	Energy (Joules)
5625VAC	1650V @	50A	130

**Power Consumption:** 10VA @ 480VAC

### Physical

**Termination:** #16 Stranded Wire

**Packaging:** Epoxy Filled

**Weight:** 6 Oz.

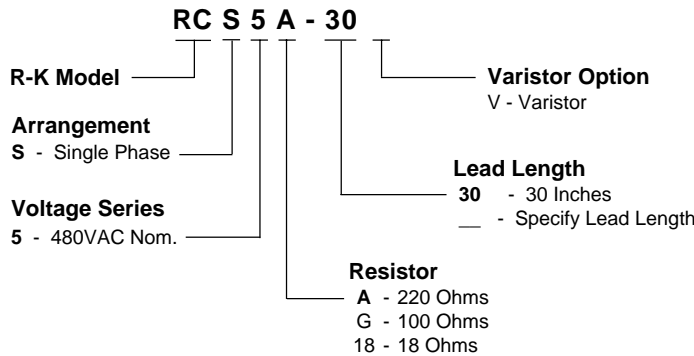
### Ambient Temperatures

**Operating:** -40°C to 85°C

**Storage:** -40°C to 85°C



## Ordering Information

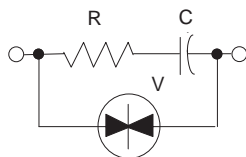


## DIN Rail Bracket #DRB-2

## Connections



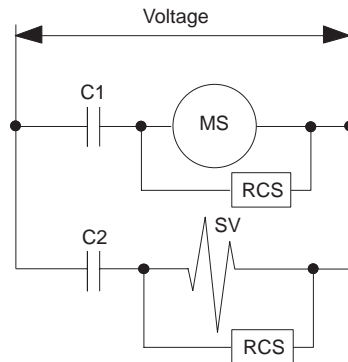
Without Varistor



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

