



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

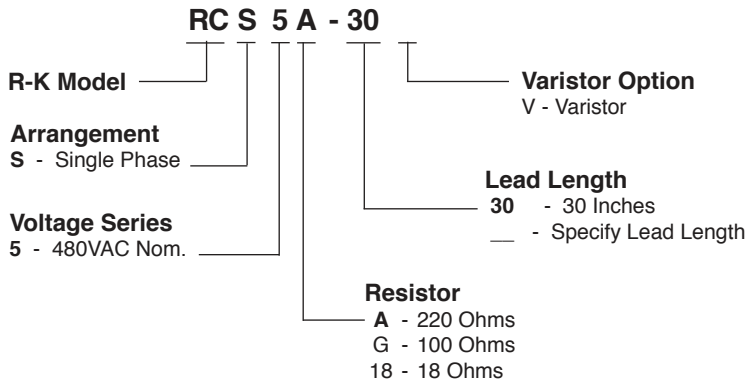
Termination: #16 Stranded Wire
Packaging: Epoxy Filled
Weight: 6 Oz.

Ambient Temperatures

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

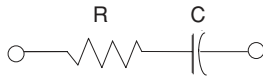


Ordering Information

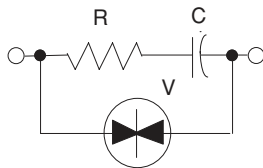


DIN Rail Bracket #DRB-2

Connections



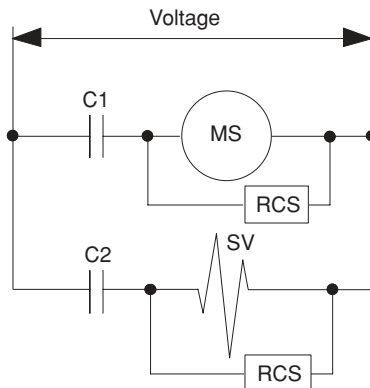
Without Varistor



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

