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

RC D 5 A - 30

R-K Model

Arrangement
D - Delta

Voltage Series
2 - 240VAC
5 - 480VAC

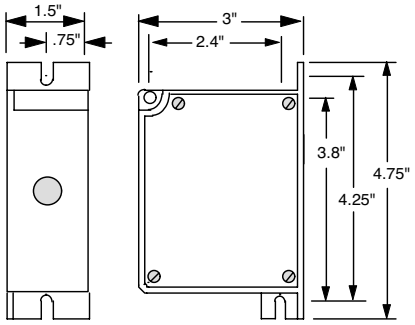
Varistor Option
V - Varistor

Lead Length
30 - 30 Inches
__ - Specify Lead Length

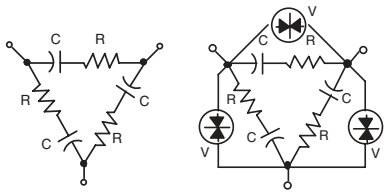
Resistor
A -220 Ohms
G -100 Ohms
18 -18 Ohms (Not CSA)

DIN Rail Bracket #DRB-4

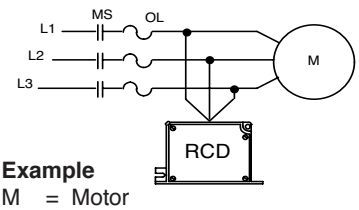
Dimensions



Connections



RCD5_-_ **RCD5_-_V**



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).