

TFY

600VAC Three Phase Transient Voltage Filters



- Din Rail or Surface Mounting
- 600 Volt UL Rating
- Wye Configuration
- Three Phase (3Ø) Applications
- Varistor Option
- Bleeding Resistor Option
- Terminal Block or Leads



Operation

Transient Voltage Filters

TVFs are applied to circuits where transient electrical voltage spikes can cause a malfunction or damage in solid state controls or control systems (PLCs, CNCs, NCs, Solid State Counters, etc.). The TFY 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). The Bleeding Resistor allows the voltage that builds up on the capacitor in the TFY to bleed off after voltage is removed. The Bleeding Resistor is typically used in applications where the control with the TFY may be operated (tested) without the load (motor) connected.

Specifications

Electrical

Input Voltage:
up to 600VAC, 3Ø Max.

Frequency:
50/60 Hz
50 Hz TUV Type Approval

Resistor: 7 watts

Varistors:
Max. Allowable AC Voltage: 625VAC
Max. Clamping Voltage: 1650V @ 50A
Energy: 40 joules

Bleeding Resistor: 1 megohms, 1/2 watt

Power Consumption: 37 watts@ 600VAC

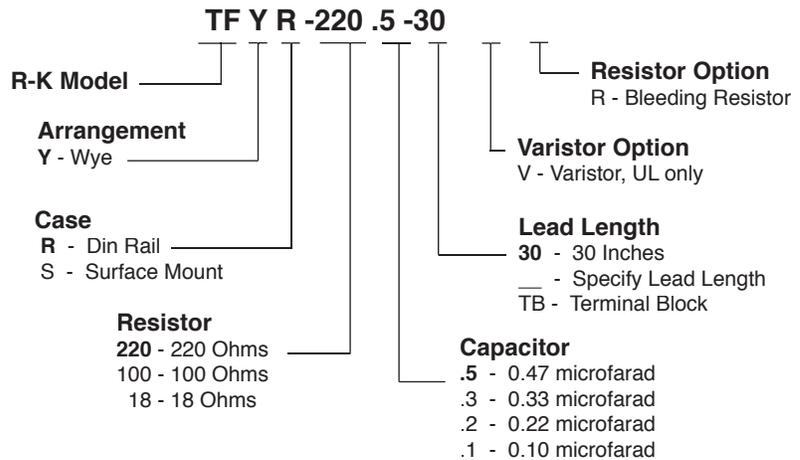
Physical

Mounting: Din Rail or Surface
Termination: Terminal Block or #16 Stranded Wire Leads
Packaging: Dust Cover
Weight: 12 Oz.

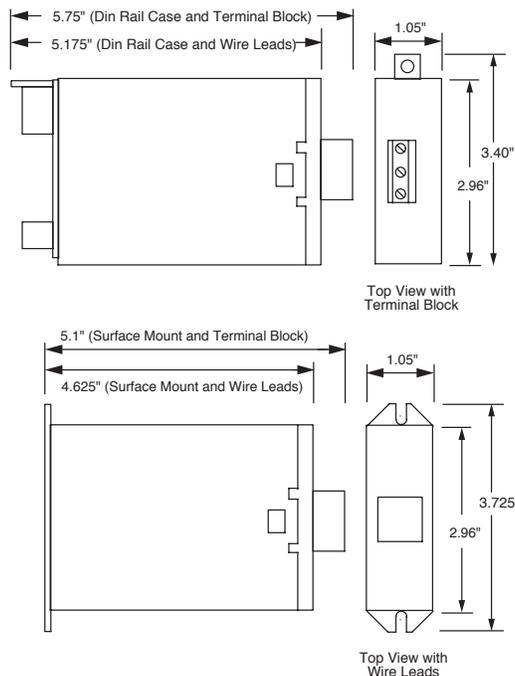
Ambient Temperatures

Operating: -40°C to 85°C
Storage: -40°C to 85°C
Hook-Up Example

Ordering Information



Dimensions



Connections

