



## Three Phase Line Filter

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### GENERAL DESCRIPTION

This device is designed to absorb high frequency voltage surges (“spikes”) on three phase supplies up to 480 VAC. The Eurotherm Drives Inc. part number is LA048357.

The device functions by conducting any voltage spikes which rise above the AC peak to peak voltage into the capacitor. The diode bridge prevents the spike charge from returning to the AC line and the 10K resistor bleeds the charge off. The 1 ohm resistor limits the inrush current on power up. Because the electric charge from the spikes can be thought of as “filling” the capacitor while the 10K resistor “drains” it, the device is often called a “Bucket Suppressor”.

### APPLICATION

The Three Phase Line Filter contains no internal fusing and must be externally protected. The Eurotherm Drives Inc. Optional Fuse Kit part number is LA353827.

### TECHNICAL SPECIFICATIONS

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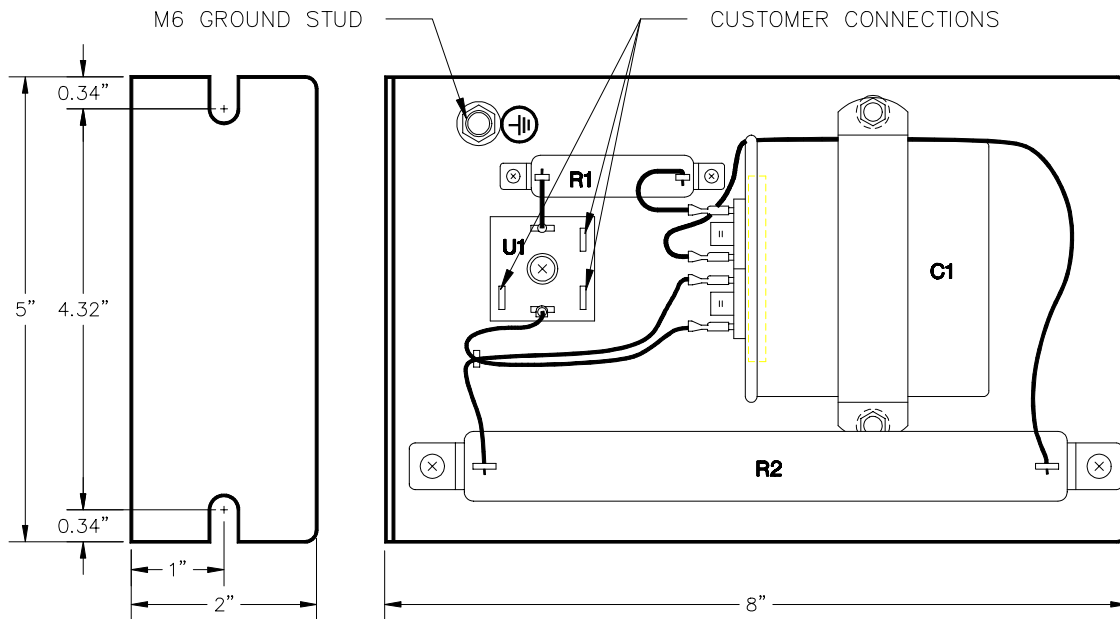
#### Environmental

Operating temperature	0°C to 50°C (32 to 122°F)
Storage temperature	-10 °C to +70 °C (14 to 158°F)
Humidity	85% R.H. in a dry, non-condensing environment
Enclosure Rating	Open frame. To be mounted inside an enclosure

#### Physical

Height	50.8mm (2 in)
Width	127mm (5in)
Depth	203.2mm (8in)
Weight	0.54kg (1.2 lbs)

## MOUNTING/WIRING DETAIL



## SCHEMATIC DIAGRAM

