

## FEATURES AND SPECIFICATIONS

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# 12.70mm (.500") Pitch TSE Single-Row Tri-Barrier Terminal Strip PC Tail Terminal Style

**38969**



Single-Row Tri-Barrier Terminal Strip

*Durable tri-barrier terminal strips are available with PC tails, our most popular terminal style, to accommodate a wide range of design requirements*

Barrier terminal strips provide a reliable and proven way to wire industrial applications. Barrier strips do not require any special tools, making them fast and easy to wire in the field.

This TSE single-row barrier strip is Molex's highest power terminal block, rated for 600V at 50.0A,

bringing maximum power directly to the PCB. The dual PC terminals into the PCB provide a robust connection.

These TSE single-row terminal blocks may be easily designed into applications currently utilizing the Beau 66 (38660-78XX) barrier strips.

### Features and Benefits

- Tri-barrier construction prevents short circuits and improves isolation, which allows other components to be placed close to the strip, conserving board space
- Clamp washer screw allows for the use of larger gauge wire for higher current and voltage applications
- Phillips and/or slotted combination head screws is easy to install; no special tools required
- Molded from thermoplastic which is less brittle than Phenolic resins

## SPECIFICATIONS

### Reference Information

Packaging: Tray  
UL File No.: E48521  
Flammability: UL 94V-0  
Designed In: Millimeters

### Electrical

Voltage: 600V  
Current: 50.0A  
Dielectric Withstanding Voltage: 2200V AC  
Insulation Resistance: 500 Megohms min.

### Mechanical

Recommended Tightening Torque:  
1.81Nm (16.0 in. lbs.)

### Physical

Housing: PBT  
Terminal: Brass (CuZn)  
Screw with Clamp Washer: Steel, M4  
Plating: Terminal Area — Tin (Sn)  
Screw — Zinc  
Wire Gauge: 8 to 20 AWG  
Operating Temperature: -40 to +120°C

## APPLICATIONS

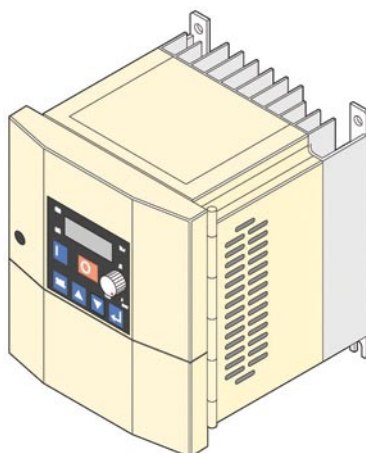
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**12.70mm (.500") Pitch  
TSE Single-Row  
Tri-Barrier Terminal Strip  
PC Tail Terminal Style**

**38969**

- Traffic Controls
- HVAC
- Security Systems
- Professional Audio/Visual Equipment
- Data Acquisition
- Industrial Controls
- Factory Automation
- Power Supplies
- White Goods
- Telecommunication Equipment



Motor Drive

## ORDERING INFORMATION

| Order No.  | Circuit Size | Terminal Style |
|------------|--------------|----------------|
| 38969-0002 | 2            | PC Tail        |
| 38969-0003 | 3            |                |
| 38969-0004 | 4            |                |
| 38969-0005 | 5            |                |
| 38969-0006 | 6            |                |
| 38969-0007 | 7            |                |
| 38969-0008 | 8            |                |
| 38969-0009 | 9            |                |
| 38969-0010 | 10           |                |
| 38969-0011 | 11           |                |
| 38969-0012 | 12           |                |
| 38969-0013 | 13           |                |
| 38969-0014 | 14           |                |
| 38969-0015 | 15           |                |

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