

## FEATURES AND SPECIFICATIONS



## 12.00mm (.472") Pitch EuroMax™ High-Power Pluggable Terminal Blocks

- 39421** Horizontal Plug
- 39422** Horizontal Plug With Mounting Ends
- 39425** Right-Angle Header
- 39426** Right-Angle Header With Mounting Ends

### Take power to the max with the new EuroMax™ high-power pluggable terminal blocks

EuroMax terminal blocks are the highest amperage pluggable terminal blocks currently available on the market, offering up to 85.0A per circuit at 600V. Available in 2 to 10 circuits, with a wire range of 3 to 14 AWG, the EuroMax terminal blocks are an exciting addition to our popular 600V one-piece fixed high-power terminal blocks (Series 39910, 39920, 39950 and 39960). EuroMax terminal blocks provide an additional advantage of pluggability for easy servicing or field repair and replacement.

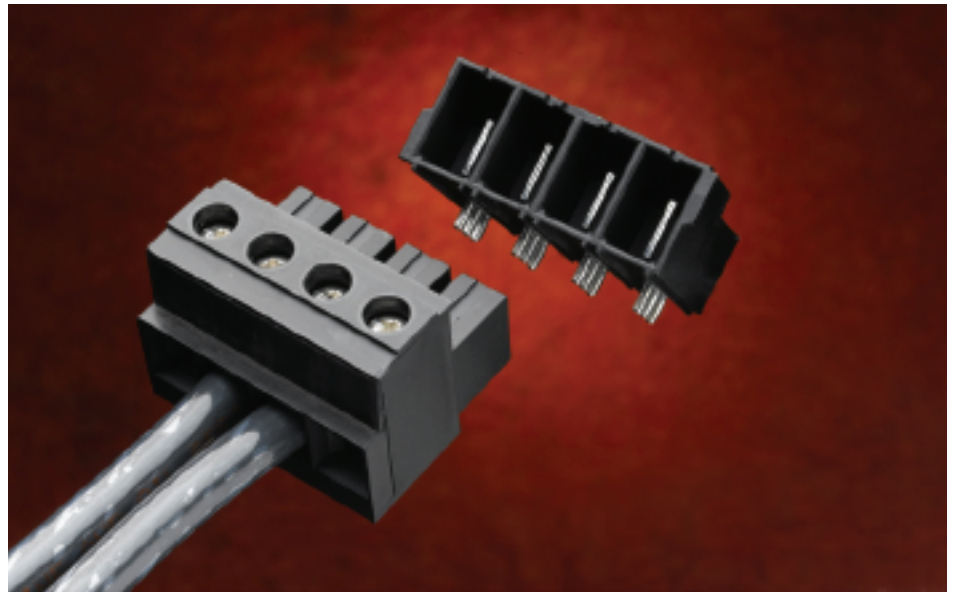
The two-piece pluggable connection system features a highly redundant parallel contact system to maximize performance. All hardware components are copper-based alloys to optimize thermal compatibility. The high-temperature housing material withstands lengthy solder pre-heat conditions. In addition, the header blade has 3 PCB tails, allowing for a robust connection to the PCB. A screw-driver slot is built-in on circuit

counts of 4 or higher to help ease de-plugging. Reliable, economically stamped, one-piece terminals offer cost efficiency. They are also available with mounting ends for added security.

EuroMax terminal blocks combine the benefits of high-power terminal blocks with the convenience of a pluggable design.

### Features and Benefits

- Rising-cage pressure-clamp termination compresses wires evenly, providing a secure contact without wire damage
- High-temperature housing material is able to withstand lengthy solder pre-heat conditions
- Pluggable design provides easy servicing or replacement of device in the field
- Stamped, one-piece terminals improve cost efficiency
- Header blade has 3 PCB tails, providing a robust connection to PCB



EuroMax Terminal Block without mounting ends

## SPECIFICATIONS

### Reference Information

Packaging: Box  
UL File No.: E48521  
Guide No.: XCFR2  
UL for Canada File No.: E48521  
Guide No.: XCFR8

### Electrical

Voltage: 600V  
Current: 85.0A  
Dielectric Withstanding Voltage: 8500V DC min.  
Insulation Resistance: 5,000 Megohms min.

### Mechanical

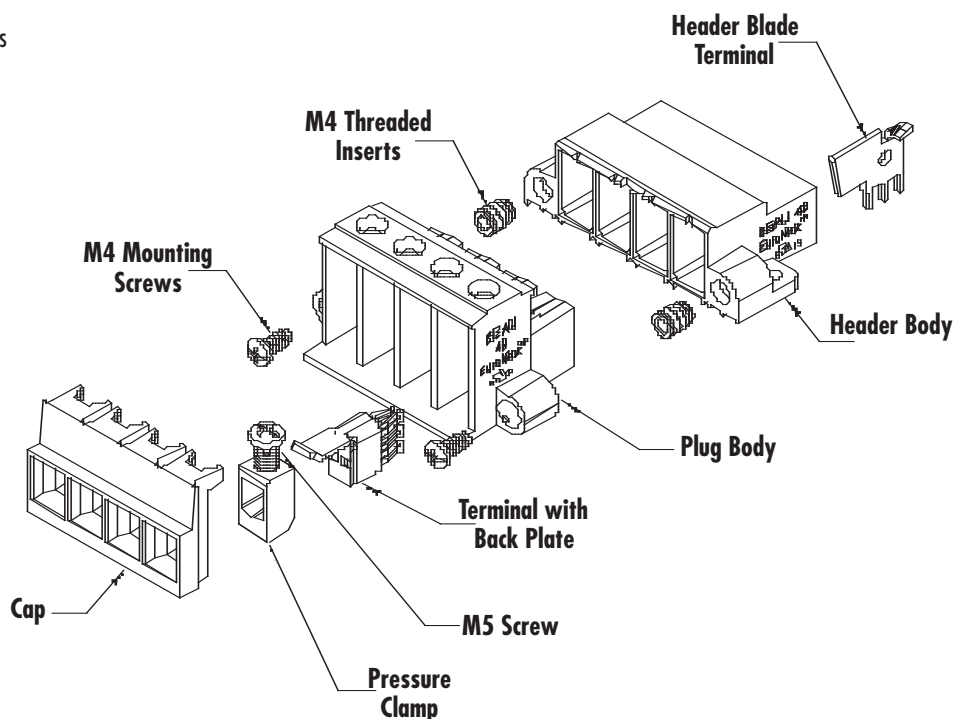
Wire Range: 3 to 14 AWG (21.20 to 2.08mm<sup>2</sup>)  
Strip Length: 16.00mm (.630 inch)  
Tightening Torque: 2.70Nm (24 in-lbs)  
Screwdriver: .25" Slotted, #2 Pozi

### Physical

Plugs:  
Housing: Polybutylene Terephthalate (PBT)  
Valox\* 420 SEO, Black  
Contact: Copper Alloy  
Contact Plating: Tin  
Screw: M5 Pan head, slotted, Silicon Bronze  
Screw Plating: Tin  
Pressure Clamp: Brass  
Pressure Clamp Plating: Nickel  
Headers:  
Housing: Polyamide 6/6, Black  
Contact: Copper Alloy  
Contact Plating: Tin  
Operating Temperature: +130°C

\*Valox is a registered trademark of GE Plastics

- Motors and drives
- Power controls and converters
- Process controls
- Invertors
- Distributed power systems
- Cellular base stations
- Load control systems
- Solar power systems
- Fuel cells



## ORDERING INFORMATION

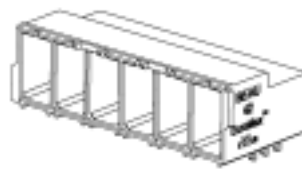
| Circuits | Order No.             |                    |                       |                    |
|----------|-----------------------|--------------------|-----------------------|--------------------|
|          | Horizontal Plug       |                    | Right-Angle Header    |                    |
|          | Without Mounting Ends | With Mounting Ends | Without Mounting Ends | With Mounting Ends |
| 2        | 39421-0002            | 39422-0002         | 39425-0002            | 39426-0002         |
| 3        | 39421-0003            | 39422-0003         | 39425-0003            | 39426-0003         |
| 4        | 39421-0004            | 39422-0004         | 39425-0004            | 39426-0004         |
| 5        | 39421-0005            | 39422-0005         | 39425-0005            | 39426-0005         |
| 6        | 39421-0006            | 39422-0006         | 39425-0006            | 39426-0006         |
| 7        | 39421-0007            | 39422-0007         | 39425-0007            | 39426-0007         |
| 8        | 39421-0008            | 39422-0008         | 39425-0008            | 39426-0008         |
| 9        | 39421-0009            | —                  | 39425-0009            | —                  |
| 10       | 39421-0010            |                    | 39425-0010            |                    |



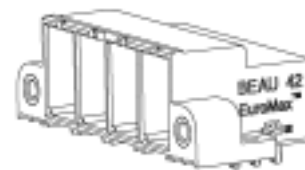
**Horizontal Plug  
Series 39421**



**Horizontal Plug with Mounting Ends  
Series 39422**



**Right-Angle Header  
Series 39425**



**Right-Angle Header with Mounting Ends  
Series 39426**

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