

# Gain the Competitive Edge with Customized Circuit Protection Products

## Creating Answers for Your Unique or Demanding Needs

When you wish to gain a competitive edge or improve your product's performance, a Cooper Bussmann® custom solution can:

- Improve functionality and utility
- Fit unique design needs
- Reduce labor and component costs

### Our Expertise Is Your Advantage

For over 90 years, Cooper Bussmann has designed and manufactured products that improve electrical safety and performance. Whether modifying an existing product or creating a new one, our experience effectively brings together the skills to design, prototype, test, manufacture and secure agency approvals to deliver a single component, sub-assembly or finished product. The result? You get the advantage of a custom solution that delivers the performance you need.

### Cooper Bussmann products integrate:

- Fuses - with the right size and performance characteristics
- Fuse holders and blocks - with the requisite terminations, mounting options and safety features
- Wire connection products - that make wiring simpler and faster
- Molded products - that give the unique shape your product needs

### In-House Testing

All electrical performance testing of your custom products can be performed at the Cooper Bussmann Paul P. Gubany Center, an ASTA and CSA accredited, and an ANCE Designated facility.

We're able to conduct electrical performance testing that replicates any power system to be encountered in any country and conduct tests to many global agency standards, covering:

- Up to 300kA and 600Vac
- Up to 100kA and 1000Vdc



# Request for Quote

If you need a circuit protection answer to meet specific performance criteria or a unique configuration, contact your local authorized Cooper Bussmann® distributor or sales representative and provide us the following information. An electronic Request for Quote form is located at [www.cooperbussmann.com/custom](http://www.cooperbussmann.com/custom).

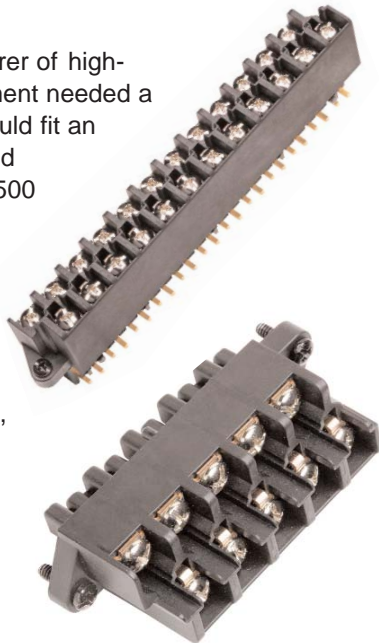
Name	<input type="text"/>	Fax	<input type="text"/>
Title	<input type="text"/>	E-mail	<input type="text"/>
Company	<input type="text"/>	Description of Project <input type="text"/>	
Address	<input type="text"/>		
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Country	<input type="text"/>		
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## Case Histories

### Handle High Current in a Small Footprint

**Problem:** A manufacturer of high-power metering equipment needed a wiring interface that would fit an established footprint and withstand a current of 500 amps for one second.

**Solution:** No existing terminal block design could meet the customer's current withstand requirements, as well as UL minimum spacing requirements between terminals, in such a small package. In order to meet the design objectives, prototype terminals of various cross sections were built and tested to withstand 500A for one second. Once a terminal design was finalized, the block was molded to fit the customer footprint and comply with UL spacing requirements. The results exceeded customer expectations and helped ensure a successful product introduction.



### Lower the Total Product Cost

**Problem:** An OEM in the motor controls market was asked by one of its customers to reduce costs on its motor control circuit. They came to Cooper Bussmann, and some of our competitors, for cost-reducing ideas on their terminal blocks.

**Solution:** We started quoting in hopes of meeting our customer's price demands, but could not get the right cost structure. The custom products team then investigated the customer's assembly process and saw the terminal block required a typical screw-down, flange-type mounting. The snap-mount terminal block we designed into the block's molded case exceeded the customer's total cost-reduction objectives by eliminating the cost of the mounting screws and the extra labor needed during assembly.

