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[514 Series 500VAC Cartridge Fuse](#)  
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## FOR IMMEDIATE RELEASE

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## Littelfuse 500VAC-Rated Ceramic-Body Fuses Are Optimized for AC Power Line Protection

*Applications include UPSs, power inverters, smart meters, three-phase AC-DC power supplies*

**CHICAGO, September 5, 2017** — [Littelfuse, Inc.](http://Littelfuse, Inc.), the global leader in circuit protection, today introduced a series of compact, fast-acting 500VAC ceramic body fuses with current ratings ranging from 1.6A to 12.5A. With a high interrupting rating of 5,000A at 500VAC, the 514 Series Ceramic Body Fuse is ideal for high-voltage AC power line protection in HVAC and industrial systems. Its robust design enhances its reliability by making it less susceptible to temperature cycling and vibration effects. With a footprint of just 6.3mm x 32mm, it allows circuit designers to free up board space that would otherwise be needed for protection components.

The 514 Series Fuse is ideally suited for high energy and power efficient applications in the home and building automation market, including heating, ventilation and air conditioning (HVAC) equipment and smart meters. Industrial market applications include uninterruptible power supplies (UPSs), three-phase power supplies, and renewable energy.

“The 514 Series’ low current rating combined with high breaking capacity is unique in a fuse with such a small footprint,” said Ben Zheng, global product manager at Littelfuse. “When used for short circuit protection in the AC output or AC main of inverter circuits like three-phase AC power supplies, 514 Series Fuses provide robust overcurrent protection in extremely adverse conditions.”

The 514 Series 500VAC Ceramic Body Fuse offers these key benefits:

- The high AC voltage rating with an interrupting rating of 5,000A @ 500VAC is ideal for AC power circuits in uninterruptible power supplies that operate at up to 500VAC with up to 5,000A available short-circuit current
- Available current ratings from 1.6A to 12.5A provide robust overcurrent protection for high-voltage AC power circuits.
- The small footprint (6.3mm x 32mm) ceramic body enables more compact designs for power conversion equipment that requires higher energy efficiencies. This fuse is well suited for most commercial low-wattage power supplies.
- A wide (-55°C to 125°C) operating temperature range ensures reliable protection in extreme temperatures and harsh environments.

### **Availability**

The 514 Series Fuse is available in either cartridge or axial leaded versions in bulk quantities of 1,000 pieces. Sample requests may be placed through authorized Littelfuse distributors worldwide. For a listing of Littelfuse distributors, please visit [Littelfuse.com](http://Littelfuse.com).

### **For More Information**

Additional information is available on the [514 Series 500VAC Ceramic Body Fuse product page](#). For technical questions, please contact: Ben Zheng, global product manager, [bzheng@littelfuse.com](mailto:bzheng@littelfuse.com).

### **About Littelfuse**

Founded in 1927, Littelfuse is the world leader in circuit protection with growing global platforms in power control and sensing. The company serves customers in the electronics, automotive and industrial markets with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 10,000 employees in more than 40 locations throughout the Americas, Europe and Asia. For more information, please visit [Littelfuse.com](http://Littelfuse.com).

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