FUSES & FUSE HOLDERS
PROTECTION RELAYS
ELECTRONIC CONTROLS
SURGE PROTECTIVE DEVICES
SWITCHES
Your Partner for Dependable Protection, Safety & Control

The Industrial division of Littelfuse delivers vital products to address customer needs for protection, safe control, and distribution of electrical power in industrial applications. Our product portfolio includes a comprehensive line of fuses, fuse holders, protection relays, timers, and surge protection devices. This portfolio is designed to minimize electrical safety hazards, limit equipment damage, improve productivity, and safeguard personnel from injury due to electrical faults.

Technically speaking, professionals in construction, manufacturing, mining, oil & gas, solar, and many more industries rely on Littelfuse for rugged, lasting protection for their designs and critical applications.

Our Products Improve Safety While Reducing Costs and Hazards in the Workplace

**Improve Safety**
- Shock Hazard
- Injury to Personnel
- Arc-Flash Hazards
- Open-CT Hazards
- Failed Resistors
- High SCCR Devices
- Touch Safe

**Reduce Cost**
- Fault Damage
- Equipment Replacement
- Calibration Costs
- Compliance Citations
- Motor Rewinds
- Inventory Consolidation

**Minimize Downtime**
- Replacement Time
- Nuisance Tripping
- Intermittent Faults
- Unreliable Protection
- Calibration Time
- Fuse Indication
- Fuse Cycling

...Across Many Industries

- Construction
- Data Centers
- EV Charging
- Food & Beverage
- HVAC/R
- Manufacturing
- Medical
- Mining
- Oil & Gas
- Power Generation
- Pulp & Paper
- Solar, Wind, & Energy Storage
- Telecom
- Water/Wastewater

An Extension of Your Team

**Technical Hotline (1-800-TEC-FUSE or 1-800-832-3873)**
Littelfuse engineers are a phone call away to help identify potential issues and provide product recommendations to resolve problems.

**Application and Field Support**
Our experienced product and application engineers work step-by-step with customers from design to installation to determine the best solution.
Industrial Success Stories

**Solar: Shining Light on Power Protection**
When one of the leaders in the solar industry was designing their next generation panels, they came to Littelfuse because of our history of innovation and experience with over 25 million devices installed in photovoltaic power systems worldwide. The Littelfuse patented fuse technologies were chosen as the preferred solution because they work seamlessly within a wire harness for unsurpassed reliability.

**HVAC/R: Climate of Reliability**
A major furnace manufacturer has a reputation for extreme environmental testing of their products before the design makes it to market. They know to trust the reliability of Littelfuse fuse, relay and timer components in their designs to provide the ultimate protection that stands up to rigorous testing. Our OEM customers rely on the Littelfuse reputation for making extreme reliability an everyday practice.

**Construction: Protection Built for Safety**
One of the top teaching hospitals in the United States, offering leading-edge care to more than 100,000 patients each year in the emergency room alone, was constructed using Littelfuse LCP series panels to keep their critical systems safely powered. They trusted the Littelfuse coordination panels to provide coordination between their Emergency Systems and Healthcare Essential Electrical Systems required by NEC. The Littelfuse UL Listed solution provided cost savings and increased safety; overall, improving the health of their systems.

**Manufacturing: Assembly of Protection**
A brick manufacturing plant in the Western United States processes clay into bricks and other building materials for residential and commercial projects. The Littelfuse SB6100 is installed between the motor control center and the wet saws on the factory floor as shock protection for their workers. High-speed fuses and the PGR-8800 arc-flash relays are found in their switchgear for advanced circuit protection and improved worker safety from arc-flash incidents.

**Oil & Gas: Refined Power Protection**
Littelfuse industrial products such as ground-check monitors are used by one of the largest producers of crude oil from oil sands. Our high-resistance grounding packages are found on oil and gas drilling rigs to reduce ground-fault troubleshooting time by 90%. Refiners producing 140,000 barrels a day rely on Littelfuse to protect their variable-frequency drives from ground faults. Fracking firms depend on Littelfuse circuit protection for service mains and injection panels. Upstream, midstream, or downstream. No matter where safety is needed, Littelfuse is there to deliver reliable protection.

**Mining: Power and Protection Run Deep**
When the world’s largest fertilizer company is mining for potash 1000 meters underground, they come to Littelfuse because of our reputation for quality and engineering expertise. There is no room for poor quality in mining. Littelfuse products are an integral part of the electrical systems that power and protect critical applications in the harshest underground and above ground mining environments. The world’s top mining companies trust Littelfuse for protection from electrical hazards.

**Battery Energy Storage Systems: Packing in More Power with the Right Protection**
A battery energy storage system (BESS) integrator wanted to provide its utility customer the ability to respond faster to increases in power demand while lowering its operating costs. The integrator selected lithium ion batteries to address the utility’s requirement for a higher-capacity battery pack but needed a fast-acting fuse with a higher short-circuit current rating to protect it. With 150 kA dc breaking capacity, the Littelfuse PSR series high-speed semiconductor fuse offered the protection the integrator wanted to reduce the dc combiner count and add more battery banks. This design offered the utility a faster and more cost-efficient power demand response.
Fuses & Fuse Holders

UL Class Fuses
Littelfuse manufactures a complete selection of UL Class fuses for protecting electrical systems and personnel. Innovative features, such as indication, improve productivity, while enhancing the safety of systems.
Littelfuse.com/Fuses

POWR-SPEED® Fuses
Designed for sensitive power electronic devices, these fuses offer extreme current-limiting protection and balanced performance for longevity. They are available in direct bus-bar mount flush-end and blade designs.
Littelfuse.com/Powr-Speed

Medium Voltage Fuses
Littelfuse E-rated and R-rated medium voltage fuses protect transformers, potential transformers, feeders, and motor circuits. Designs are available to cover a wide range of current, voltage, interrupting rating, and mounting configurations to fit unique applications.
Littelfuse.com/MediumVoltage

Battery Energy Storage Fuses
Extremely fast acting and offering high-speed performance up-to 1500 V dc, these fuses range from 80 A to 1400 A in the smallest IEC standard NH XL package sizes. Available with multiple mounting terminations including flush-end, DIN, and bolted blade style.
Littelfuse.com/BESS

10 x 38 mm Fuses
An extensive range of 10 x 38 mm fuses provides compact supplemental protection for a wide variety of applications. Availability in time-delay, fast-acting, board-mount, or solar versions, with ratings ranging from 125 to 1000 volts and 1/10 to 30 amperes, allows for a variety of design options.
Littelfuse.com/Fuses

Solar Fuses
A leader in photovoltaic fuse technology, Littelfuse offers fuses and holders up to 1500 V dc for both high-current and low-current applications.
Littelfuse.com/Solar

Fuse Blocks & Holders
Original equipment manufacturers and designers select Littelfuse fuse blocks and holders for their compact designs, indication feature, and the flexibility of DIN-rail mounting.
Littelfuse.com/FuseBlocks

Distribution & Splicer Blocks
POWR-BLOKS power distribution blocks offer a safe, convenient way for splicing cables and managing power distribution requirements within panels and systems. Touch-safe blocks and available covers enhance the safety by reducing the risk of accidental contact.
Littelfuse.com/PowrBloks

Custom OEM Product Solutions
Littelfuse understands that existing solutions may not solve all design challenges. Leveraging years of experience, our engineering team can collaborate with customers to develop a unique solution for specific applications such as those found in HVAC systems, lighting fixtures, or high volume OEM opportunities.
Littelfuse.com/IndustrialOEM

Surge Protective Devices

Type 2 Surge Protective Devices
These branch circuit surge protective devices (SPDs) safeguard components from transient overvoltage or surges by limiting the fault current to a load or the unit being protected.
Littelfuse.com/SPD
Protection Relays & Controls

**Feeder Protection**
Protect circuits from overcurrent, ground faults, phase loss, overload, and other detrimental conditions.
[Littelfuse.com/FeederProtection](http://Littelfuse.com/FeederProtection)

**Arc-Flash Protection Relays**
Our arc-flash relays can detect a developing arc-flash incident and send a trip signal to interrupt power before significant damage occurs.
[Littelfuse.com/ArcFlash](http://Littelfuse.com/ArcFlash)

**Resistance Grounding/Monitoring**
Limit the ground-fault current in order to prevent unwanted fault damage. High-resistance grounding eliminates arc-flash hazards and transient over-voltages associated with ground faults.
[Littelfuse.com/ResistanceGrounding](http://Littelfuse.com/ResistanceGrounding)

**Timers & Flashers**
Delay starting and stopping loads, cycling, and sequencing of motors, pumps, compressors, heaters, and lighting.
[Littelfuse.com/TimersFlashers](http://Littelfuse.com/TimersFlashers)

**Trailing-Cable Protection**
Continuously monitor the integrity of the ground-return path to protect portable equipment from hazardous voltages caused by ground faults.
[Littelfuse.com/TrailingCableProtection](http://Littelfuse.com/TrailingCableProtection)

**Ground-Fault Protection Relays**
Sensitive ground-fault relays featuring advanced filtering will quickly and reliably detect the breakdown of insulation resistance caused by moisture, vibration, chemicals, or dust.
[Littelfuse.com/GroundFaultProtection](http://Littelfuse.com/GroundFaultProtection)

**Industrial Shock-Block® GFCl**
The first permanently connected special-purpose GFCl that meets UL Standard 943C Class C and Class D—designed for people protection in industrial facilities.
[Littelfuse.com/ShockProtection](http://Littelfuse.com/ShockProtection)

**Motor & Pump Protection**
A wide range of current-, voltage-, and temperature-based protection for motors and pumps, including an innovative Bluetooth* user interface.
[Littelfuse.com/MotorProtection](http://Littelfuse.com/MotorProtection)  
[Littelfuse.com/PumpProtection](http://Littelfuse.com/PumpProtection)

**Single-Function Relays**
Provide a compact and cost-efficient solution typically used on low-voltage applications and include voltage and phase monitors, liquid-level controls, alternating relays and load sensors.
[Littelfuse.com/SingleFunctionRelays](http://Littelfuse.com/SingleFunctionRelays)

**Shunt-Trip Switches & Coordination Panels**
The shunt trip disconnect switch and coordination panels provide a simple, time-saving and economical solution for applications that require strict adherence to codes and standards. Common applications include elevators, data processing, and emergency systems.
[Littelfuse.com/LPS](http://Littelfuse.com/LPS)  
[Littelfuse.com/LCP](http://Littelfuse.com/LCP)

**Switches**

*Bluetooth is a trademark of its respective owner.*
Littelfuse products are certified to many standards around the world. To check certifications on specific components, please refer to the specific product datasheet on Littelfuse.com.