Solar: Shining Light on Power Efficiency
When one of the leaders in the solar industry was designing their next generation panels, they chose to work with Littelfuse because of our history of innovation and experience with over 23 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 wide range of environments.

HVAC/R: Climate of Reliability
A global climate hardware manufacturer has a reputation for extreme environmental testing of their products. They know that electrical systems in these environments are vulnerable. They trust the reliability of Littelfuse fuses and timer components in their designs to provide the ultimate protection that stands up to rigorous testing. One AEM customer rely on the Littelfuse solution for making extreme reliability an everyday practice.

Construction: Protection Built for Safety
One of the top-ranking contractors in the United States, offering leading-edge care to more than 140,000 patients each day in the emergency room alone, is using Littelfuse LCP series panels to keep their critical systems safely powered. They trusted the Littelfuse family of products for extreme reliability in these environments.

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 series coordination panels between the motor control center and the rest of their production 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 oil and gas products are found onshore and offshore. A large oil and gas drilling rig in the Gulf of Mexico relied on Littelfuse fuses to protect their 250-kv air circuit breakers from ground faults. Navigating this environment with safety is essential. 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 name 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 keep these mining operations running 24/7, 365 days a year, to keep their workers and the planet healthy.

Water/Wastewater: Reclaiming Productivity and Protection
One of the Top 100 electrical wholesalers recommends Littelfuse Magnetic® and Fusesaver® relays with confidence because it saved their customer from replacing a $30,000 motor valued at $140,000. Unlike other suppliers, Littelfuse is the only company to produce this type of motor protection in the United States. The Littelfuse relay was a wise investment that saved the cost of the motor and kept the plant running.
An Extension of Your Team

Technical Hotline (1-866-TEC-FUSE or 1-800-832-3873)
Littelfuse’s technical engineers are available to address technical 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.

Fuses & Fuse Holders
UL Class Fuses
Littelfuse manufactures a complete selection of UL class fuses for protecting electrical systems and personnel. Industrial design. This portfolio is designed to minimize electrical safety hazards, limit equipment damage, improve productivity, and safeguard personnel from injury due to electrical faults.

Reduction of Fuses & Holders
Fuses are driven by the current it carries, not by the time it takes to act. Multi-function, high performance fuses offer three or more protective functions in one fuse. Littelfuse manufactures a complete selection of UL class fuses for protecting electrical systems and personnel. This portfolio is designed to minimize electrical safety hazards, limit equipment damage, improve productivity, and safeguard personnel from injury due to electrical faults.

Protection Relays & Controls
Feeder Protection
Protect circuits from overcurrent, short circuits, ground faults, phase loss, motor starting and other detrimental conditions.

Medium Voltage Fuses
Currently, the Littelfuse portfolio includes voltage fuses from Littelfuse protect transformers, potential transformers, fuses, and circuit breakers. Designs are available to cover a wide range of current, voltage, interrupting rating, and mounting configuration. In conjunction with UL-listed disconnect switches, these fuses are designed to operate in any position. Littelfuse.com/MediumVoltage

Solar Fuses
A leader in photovoltaic fuse design and manufacturing, Littelfuse offers fuses and holders up and above 100 VDC for both high current and low current applications. Littelfuse.com/Solar

Protection Relays & Controls
A wide range of current-, voltage-, and temperature-based protection devices, these fuses offer extreme sensitivity, rapid response, and ease of use. Littelfuse.com/FuseIndicators

Surge Protection Devices
Surge Protection Devices
These circuit breakers are suitable for use in industrial and power distribution applications. The M2000C Series CM1 circuit breaker is designed for use in industrial and power distribution applications. It is available in three and four-pole configurations, with a maximum of 2000 A, and can be factory-equipped with a variety of options. Littelfuse.com/SurgeProtection

Your Partner for Dependable Protection, Safety & Control
The Industrial division of Littelfuse delivers superior products designed to address customer needs for protection, safety, control, and distribution of electrical power in industrial applications. Our product portfolio includes a comprehensive line of fuses, fuse holders, protective 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.

Objectives
• Improved Safety
• Reduced Costs
• Decreased Downtime

Across Many Industries
- Construction
- Data Centers
- DC Charging
- Food & Beverage
- Oil & Gas
- Manufacturing

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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 knew to turn to Littelfuse because of their history of innovation and expertise. With over 130 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 wide variety of fuse barriers for unsurpassed reliability.

HVAC/R: Climate of Reliability
A large HVAC manufacturer has a reputation for extreme environmental testing of their products. They know to trust the reliability of Littelfuse fuse relay and time delay components in their designs to provide the ultimate protection that stands up in rigorous testing. Our AHR customers rely on the Littelfuse reputation for making extreme reliability an everyday practice.

Construction: Protection Built for Safety
One of the top general contractors in the United States, offering leading edge care to more than 120,000 patients each day in the emergency room alone, was looking to use Littelfuse FUS series panels to keep their critical systems safely powered. They trusted Littelfuse because of our reputation for providing superior performance and protection. Our AHR customers count on Littelfuse products for Essential Electrical Systems required by NEC. The Littelfuse UL Listed solution provided cost savings and increased safety; Steve experienced 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 material for residential and commercial projects. The Littelfuse SB6100 is installed between the motor control center and the wet saw on the factory floor in shock protection for their workers. High-speed fuse and the FUS series air-gap relays are found in these 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 operators in the Western United States to provide enhanced gas and oil pipeline monitoring and protection. The Littelfuse HRC fuses and gas drilling rig to reduce ground fault drilling mishaps by 90%. Littelfuse technology helps to keep these valuable sources clean and gas flow flexible. Switching from traditional oil-fuse circuit protection to service mains and injection panels, lighthouses, marinas, or drilling rigs. No matter where safety is needed, Littelfuse is there to deliver reliable protection.

Mining: Power and Protection Run Deep
When the world’s largest furnace manufacturer is driving the proven 100,000 meters underground, they turn to Littelfuse because of their reputation for quality and engineering expertise. There is no room for poor quality in mining. Littelfuse products are an energizing part of the electrical system to keep the mine lights on and optimal operating conditions. Our OEM customers turn to Littelfuse for a range of surge protection and circuit protection needs. We produce some of the world’s strongest surge arresters. The world’s top mining companies turn to Littelfuse for protection from extreme environments.

Water/ Wastewater: Reclaiming Productivity and Protection
One of the top 300 water wholesalers recommends Littelfuse MicroFuser™ and Frameless® relays with confidence because it saved their customers from replacing a $30,000 motor within an hour. The Littelfuse UL Listed solution provides surge protection for critical water and wastewater systems. We are the solution to provide the greatest surge protection for your systems with the highest level of protection.

When one of the leaders in the solar industry was designing their next generation panels, they knew to turn to Littelfuse because of their history of innovation and expertise. With over 130 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 wide variety of fuse barriers for unsurpassed reliability.
Your Partner for Dependable Protection, Safety & Control

The Industrial division of Littelfuse delivers vital products to address customer needs for protection, safety 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.

An Extension of Your Team

Technical Hotline (1-866-TEC-FUSE or 1-800-832-3873)
Littelfuse engineers are a phone call away to help identify potential issues and time-saving and economical solutions.

Application and Field Support
Technical expertise and application engineers work hand-in-hand with customers from design to installation to determine the best solution.

Minimize Downtime
Dependable Protection, Safety & Control

Fuses & Fuse Holders
UL Class Fuses
Littelfuse manufactures a complete selection of UL class fuses for protecting electrical systems and preventing damage. These fuses include circuit breakers, circuit breakers for protecting electrical systems, and prevent damage while enhancing the safety of critical applications.

Littelfuse.com/Fuses

Medium Voltage Fuses
Littelfuse offers a full line of medium voltage fuse and fuse holders and up to 1000 V for both high current and low current applications.

Littelfuse.com/Serie

Distribution & Splicer Blocks
Littelfuse offers a complete line of distribution splicer blocks and fuseholders for wide range of applications including 800 to 15000 A.

Littelfuse.com/SplicerBlocks

Custom OEM Product Solutions
Littelfuse engineers will work with customers to develop a unique solution for specific applications.

Littelfuse.com/OEM

Electrical Switch Panels
Littelfuse’s line of distribution and coordination panels provide a simple, low-cost, easy-to-install solution for applications that require strict adherence to rules and standards. These panels house fuses, circuit breakers, switches, relays, transformers, current sensors, energy meters, interlocks, circuit breakers, and surge protection devices.

Littelfuse.com/LPS

PoWR-SPeeD® Fuses
Designed for isolation power electronic devices, these fuses offer current-limiting protection and balanced performance for longevity. They are ideal in designs that require fast fault clearing and tight design

Littelfuse.com/Power-Speed

10 x 38 mm Fuses
Littelfuse offers the complete line of 10 x 38 mm fuses. These fuses provide complete supplemental protection for a variety of applications, including in line, transformer, motor wiring, panel wiring, and power distribution. These fuses are available in UL standard and industrial applications.

Littelfuse.com/Fuses

Fuses Blocks & Holders
Original-equipment manufacturers and retrofit OEMs benefit from Littelfuse fuse blocks and holders for their compact design, radiation hardness, and the flexibility of DIN mounting.

Littelfuse.com/FuseBlocks

Ground Fault Protection Relays
An extension of your telephone and provide advanced information and e-mail notification of potential hazards.

Littelfuse.com/GroundFault

POWR-SPEED® Fuses
Littelfuse manufactures a complete selection of UL class fuses for protecting electrical systems and preventing damage. These fuses include circuit breakers, circuit breakers for protecting electrical systems, and prevent damage while enhancing the safety of critical applications.

Littelfuse.com/Fuses

Medium Voltage Fuses
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Littelfuse.com/Serie

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Littelfuse.com/LPS

Power Generation

Arc Flash Protection Relays
These relays are designed for arc flash protection and terminal block configuration. They are available in low voltage and medium voltage applications.

Littelfuse.com/ArcFlash

Resistant Grounding/Monitoring
Littelfuse engineers are a phone call away to help identify potential issues and time-saving and economical solutions.

Littelfuse.com/ResistanceGrounding

Timers & Flashers
Timers and flashing lights are designed for arc flash protection and terminal block configuration. They are available in low voltage and medium voltage applications.

Littelfuse.com/TimersFlashers

Surge Protection Devices

Type 2 Surge Protection Devices
These surge suppressor devices are designed to protect sensitive electronic components from transient overvoltages. These devices are available in both external and built-in designs to fit a wide range of applications.

Littelfuse.com/Type2

Protection Relays & Controls

Feeders Protection
Littelfuse offers a variety of products to ensure proper feeder protection for your specific application.

Littelfuse.com/FeederProtection

Ground Fault Protection Relays
Littelfuse offers a variety of products to ensure proper ground fault protection for your specific application.

Littelfuse.com/GroundFault

Motor & Pump Protection
Littelfuse offers a variety of products to ensure proper motor and pump protection for your specific application.

Littelfuse.com/MotorProtection

Littelfuse.com/PumpProtection

Single Function Relays
Littelfuse offers a variety of products to ensure proper single function protection for your specific application.

Littelfuse.com/SingleFunction

Trailing Cable Protection
Littelfuse offers a variety of products to ensure proper trailing cable protection for your specific application.

Littelfuse.com/TrailingCableProtection

Safeguarding People and Equipment
The Industrial division of Littelfuse delivers vital products to address customer needs for protection, safety, and control in industrial applications. Our product portfolio includes a comprehensive line of fuse, fuse holders, protective relays, timers, and control devices that are designed to minimize electrical safety hazards, limit equipment damage, improve productivity, and safeguard personnel from injury due to electrical faults.

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

**Our Products Improve Safety While Reducing Costs and Hazards in the Workforce**

- **Improve Safety**
  - Shock Hazard
  - Injuries to Personnel
  - Arc-Flash Hazards
  - Air Conditioning
  - Food & Beverage
  - HVAC/R
  - Manufacturing

- **Reduce Cost**
  - Wiring
  - Oil & Gas
  - Simple Construction
  - Poly & Paper
  - Solar & Energy Storage
  - Telecom
  - Water/Wastewater

- **Safeguarding People and Equipment**
  - Distributor
  - Data Centers
  - Cyber
  - HVAC/R
  - Security

**Fuses & Fuse Holders**

- **UL Class Fuses**
  - Littelfuse manufactures a complete selection of UL Class fuses for protecting electrical systems and personnel. These fuses offer current-limiting protection and are used in applications where overcurrents may be expected.
  - [Littelfuse.com/Fuses](https://www.littelfuse.com/Fuses)

- **POWR-SPeed® Fuses**
  - Designed for variable power electronic devices, these fuses offer current-limiting and enhanced performance for longevity. They are ideal in designs that require frequent reset and hard blade design.
  - [Littelfuse.com/Power-Speed](https://www.littelfuse.com/Power-Speed)

- **10 x 38 mm Fuses**
  - Littelfuse offers a complete selection of medium voltage fuses with arc ratings up to 50 kA and high interrupting capabilities. These fuses provide supplemental protection for a wide variety of applications, providing reliability in time-delay, trip-sensing, board-monitor, or interrupter versions. With ratings ranging from 125 to 6000 amperes, Littelfuse fuses are designed for medium voltage applications.
  - [Littelfuse.com/10x38mm](https://www.littelfuse.com/10x38mm)

- **Fuses Blocks & Holders**
  - Littelfuse offers fuse blocks and holders for their compact design, reliability, and flexibility. The diverse line of UL-rated, E-rated, and R-rated fuse blocks are designed to coordinate with Littelfuse fuse diets.
  - [Littelfuse.com/TimersFlashers](https://www.littelfuse.com/TimersFlashers)

**Medium Voltage Fuses**

- **Voltage Fuses**
  - Littelfuse provides a comprehensive line of voltage fuses for industrial protection, motor protection, and other applications. These fuses are available in a wide range of current, voltage, interrupting rating, and interrupting configuration. They are designed for medium voltage applications, providing reliability in time-delay, trip-sensing, board-monitor, or interrupter versions.
  - [Littelfuse.com/MediumVoltage](https://www.littelfuse.com/MediumVoltage)

**Solar Fuses**

- **Solar fuses**
  - A leader in photovoltaic fuse technology, Littelfuse offers fuses and holders up to 1000 Vdc for high current and low current applications.
  - [Littelfuse.com/10x38mm](https://www.littelfuse.com/10x38mm)

**Distribution & Splicer Blocks**

- **10 x 38 mm Fuses**
  - The 10 x 38 mm fuse provides cost-effective, compact protection for splicing cables and managing power distribution equipment. Within panels and substations, track-safe blocks and available cover enhance electrical safety by reducing the risk of accidental contact.
  - [Littelfuse.com/10x38mm](https://www.littelfuse.com/10x38mm)

**Custom OEM Product Solutions**

- **Custom solutions**
  - Littelfuse offers custom solutions to meet the unique requirements of industrial designs. These solutions may not solve all design challenges. Littelfuse understands that existing and legacy solutions, such as those found in HVAC systems, may provide a unique solution for specific applications.
  - [Littelfuse.com/CustomerSolutions](https://www.littelfuse.com/CustomerSolutions)

**Feeder Protection**

- **Feeder Protection**
  - Littelfuse offers a wide range of surge protection devices, including Surge Protection Devices (SPD), Phase-Lockout, and otherões to protect electrical systems and personnel in industrial facilities.
  - [Littelfuse.com/SPD](https://www.littelfuse.com/SPD)

**Protection Relays & Controls**

- **Ground Fault Protection Relays**
  - Littelfuse provides ground fault relays and protective relays that will trip quickly and reliably detect the breakdown of electrical power distribution systems, including substations, buildings, or industrial facilities.
  - [Littelfuse.com/GroundFaultProtection](https://www.littelfuse.com/GroundFaultProtection)

- **Motor & Pump Protection**
  - Littelfuse offers a comprehensive line of surge protection devices, including Surge Protection Devices (SPD), Surge Protection for Motors and Pumps, including an extensive range of surge protection devices for motors and pumps, including an extensive range of surge protection devices for motors and pumps.
  - [Littelfuse.com/MotorProtection](https://www.littelfuse.com/MotorProtection)

- **Single-Phase Relays**
  - Littelfuse offers single-phase relays that provide a compact and cost-efficient solution for applications that require a simple, cost-effective solution.
  - [Littelfuse.com/SinglePhaseRelays](https://www.littelfuse.com/SinglePhaseRelays)

**Surge Protection Devices**

- **Data Center Surge Protection**
  - Littelfuse offers surge protection solutions for data centers, including line and phase-limiters, lightning, and surge protection.
  - [Littelfuse.com/DataCenterSurge](https://www.littelfuse.com/DataCenterSurge)

- **Single-Phase Relays**
  - Littelfuse offers single-phase relays that provide a compact and cost-efficient solution for applications that require a simple, cost-effective solution.
  - [Littelfuse.com/SinglePhaseRelays](https://www.littelfuse.com/SinglePhaseRelays)
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 chose Littelfuse because of our history of innovation and expertise with over 15 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-environment testing of their products. They need to test at extreme conditions to ensure their products will last. The Littelfuse team helps them achieve the reliability they expect in their equipment. Many of their customers have chosen Littelfuse because of the quality and reliability of the Littelfuse products.

Construction: Protection Built for Safety
One of the top building companies in the United States, specializing in high-rise and other buildings, required a solution for their HVAC systems. They included the Littelfuse LCP series panels to keep their critical systems safely powered. They trusted the Littelfuse reputation for making extremely reliable systems as everyday practice.

Mining: Power and Protection Run Deep
When the world's largest fertilizer company is mining for potash 1000 meters underground, they need a reliable solution for protection. Littelfuse industrial products such as ground-check monitors are used by one of the largest mining companies in the world. Their fuses and circuit protection technologies were chosen as the preferred solution because they work seamlessly within a wire harness for unsurpassed reliability.

Oil & Gas: Refined Power Protection
Littelfuse industrial products are found in the world's leading oil and gas drilling rigs to reduce ground-fault troubleshooting time by 90%. Refineries producing more than 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 pumps. 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.

Water/Wastewater: Reclaiming Productivity and Protection
One of the top 200 electrical wholesalers recommends Littelfuse MotorSaver® and PumpSaver® relays with confidence because it saved their customer from replacing a $50,000 motor located at their central treatment plant. The MotorSaver relay was a wise investment that saved the cost of the motor and kept the plant humming.

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