INTEGRATE PROTECTION FROM ELECTRICAL HAZARDS

Littelfuse offers a wide variety of unique solutions specifically designed to meet the requirements of panel shops and systems integrators. Our products feature advanced plug-and-play setup, indication features on fuses and fuse holders, and remote Bluetooth® communications. Contact us for application expertise and technical support to help simplify incorporating electrical safety into your design.

LOCAL RESOURCES FOR A GLOBAL MARKET

For a comprehensive library of resources including datasheets, product manuals, application guides, white papers, design tools, engineering software, catalogs, and more, visit Littelfuse.com/TechnicalResources.

PANEL SHOP & CONTROL SYSTEMS INTEGRATOR

Littelfuse is a member of Littelfuse.com/Industrial

ALT Series
Alternating Relay
LSRX Series
Load Sensor/Proof Relay
AF0100
Arc-Flash Relay
JTD 30 ID
Indicating Fuse
KLDR Series Fuse
SPD2
Surge Protective Device
SE-704
Earth Leakage Relay
MP8000
Bluetooth Overload Relay
L600C Series
Class CC & CD Fuse Blocks
LPSC POWR-SAFE Fuse Holders
LFJ Series
Class J Indicating Fuse Blocks
TCR9C Series
Dedicated Temperature Control
SPDN
Surge Protective Device
455 Voltage Monitoring Relay
Class J Fuse Disconnect Switch
TRU Series
Time Delay Relay
LD Series
Power Distribution Blocks

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INTEGRATE PROTECTION FROM ELECTRICAL HAZARDS

Littelfuse offers a wide variety of unique solutions specifically designed to meet the requirements of panel shops and systems integrators. Our products, such as fuse blocks, fully equipped panel elements, remotely located fuses and fuse holders, and remote Bluetooth® communications, are easy to use, capable of high reliability, and have high resistance to the elements. Contact us for application expertise and technical support to help simplify incorporating electrical safety into your design.

Littelfuse is a member of:

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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.

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Littelfuse.com/Industrial
PRODUCT PORTFOLIO & FEATURES

UK Class Fuses
Littelfuse UK class fuses offer higher interrupting capability and provide maximum protection for a wide range of equipment. Littelfuse UK fuses are chosen over breakers in their higher performance, where superior performance is required, such as in demanding environments.

High-Speed Fuses
The Class J fuses are ideal for high-speed circuits, such as those with power electronics, where the fuse needs to interrupt high currents in a microsecond. By limiting the duration of the fault, the fuse protects the system from damage caused by overcurrents.

Surge Protective Devices
Surge protective devices provide a barrier between equipment or circuits, shielding them from damage caused by lightning or voltage spikes. These devices can be used in installations with high-voltage bus bars or systems with high switching surges.

Lead and Current Sensors
Lead and current sensors monitor and control currents to ensure the continuous monitoring and protection of equipment.

Class J Fuse Disconnect Switches
The Class J fuse disconnect switches combine the protection benefits of Class J fuses with the control benefits of circuit breakers. These switches feature an integrated fuse and are designed to operate in a successively energized circuit.

Neutral Grounding Resistor/HRG Monitoring
Neutral grounding resistors (HRGs) are used to limit the ground fault current below the level that could trip a fuse. The SB6100 is a relay that monitors the continuity of the ground circuit and can detect a ground fault.

Microprocessor-Based Solutions
Microprocessor-based solutions with load and current sensors provide advanced protection, allowing for the monitoring and control of multiple circuits simultaneously.

Motor Protection
From basic to advanced, from standard to smart, the Limitorque® NGR renders current limitation, protection against accidental shorting, and protection against shock, vibration, and water are present. This relay is vital anywhere people, equipment, and water are present.

Ac-Ground Fault Relays
These relays monitor and control currents to ensure the continuous monitoring and protection of equipment.

DIN-rail Mount and Optional Network Communication
The SB6100 is an all-in-one relay that is compact and intuitive. It can be used to monitor and control single or 3-phase (and all motors 90–690 V ac) pump control systems, with features such as delay-on-break, delay-on-make, and fault-loss lockout functions.

High-Speed Busbar Mount and Optional Network Communication
The SB6100 is an all-in-one relay that is compact and intuitive. It can be used to monitor and control single or 3-phase (and all motors 90–690 V ac) pump control systems, with features such as delay-on-break, delay-on-make, and fault-loss lockout functions.

Fixed and Adjustable Time Delays
The SB6100 is designed to provide a safe distance from changing state if the switch or circuit is mishandled intentionally. Debris or time delays prevent nuisance tripping in the tools.

Remote Mountable/Integrated Filtering to Prevent nuisance Tripping
Remote mountable relays have the ability to handle various applications, making them ideal for use in industrial automation applications.

BASIC
Variable time delay/lag pump delay

Class C and Midget Fuses
Class C and Midget fuses provide a cost-effective solution for applications that require low-voltage protection from overcurrents. These fuses are designed for use in applications where space is limited.

POWR-PRO
Debounce time delay prevents nuisance actuation caused by waves in the product.

POWR-SPEED
The POWR-SPEED is a high-speed fuse that can handle high-magnitude ground faults before they escalate; detects ground faults from dc to 6000 Hz.

Quick-Acting Relays
Quick-Acting relays are designed to handle multiple uses in hazardous and non-hazardous areas. They provide high-interrupting rating, balanced performance for longevity, and space-saving design.

Flexible Sensor
Flexible sensors are designed to handle multiple uses in hazardous and non-hazardous areas. They provide high-interrupting rating, balanced performance for longevity, and space-saving design.

Intrinsically-safe Relays
Intrinsically-safe relays are designed to handle multiple uses in hazardous and non-hazardous areas. They provide high-interrupting rating, balanced performance for longevity, and space-saving design.

Neutral Grounding Resistor/HRG Monitoring
Neutral grounding resistors (HRGs) are used to limit the ground fault current below the level that could trip a fuse. The SB6100 is a relay that monitors the continuity of the ground circuit and can detect a ground fault.

Neutral Grounding Monitoring (HRG)
Neutral grounding monitoring relays are used to limit the ground fault current below the level that could trip a fuse. The SB6100 is a relay that monitors the continuity of the ground circuit and can detect a ground fault.

Motor Protection
From basic to advanced, from standard to smart, the Limitorque® NGR renders current limitation, protection against accidental shorting, and protection against shock, vibration, and water are present. This relay is vital anywhere people, equipment, and water are present.

Motor Protection
From basic to advanced, from standard to smart, the Limitorque® NGR renders current limitation, protection against accidental shorting, and protection against shock, vibration, and water are present. This relay is vital anywhere people, equipment, and water are present.
PRODUCT PORTFOLIO & FEATURES

UK Class Fuses
Littelfuse UK’s Class F fuses offer superior protection against overcurrent, specifically designed for larger equipment, such as fans, compressors, or HVAC systems. The Class F design is ideal for protecting against downstream devices by breaking the current before the fuse blows, thus preventing damage to the downstream equipment.

Class CC and Midget Fuses
Littelfuse’s Class CC fuses are designed for a high level of protection, withstanding higher currents and voltage ratings. These fuses are specifically designed for applications requiring a more robust protection solution. They are available in a wide range of sizes and styles, including panel mount and bus bar mount options. The Class CC fuses feature advanced design flexibility, allowing for customization to meet the specific needs of various applications.

High-Speed Fuses
Littelfuse’s high-speed fuses offer superior protection for high-speed electrical circuits, such as high-voltage motors or transformers. These fuses are specifically designed to protect against overcurrent, ensuring reliable performance and extended life. The high-speed fuses are available in a range of ratings and styles, including flush-end and blade bus bar mount options. Their advanced design flexibility allows for customization to meet the specific needs of various applications.

Fuse Blocks and Holders
Enable easy fuse installation and replacement with fuse block and holder options. Ideal for applications requiring quick installation and maintenance.

Power Distribution Blocks
Specially designed to provide protection against accidental overcurrent, these blocks are ideal for protecting against downstream devices. They feature advanced design flexibility, allowing for customization to meet the specific needs of various applications.

Surge Protective Devices
Surge protective devices provide equipment protection from transitory overvoltage events lasting only milliseconds. By limiting the voltage to a safe level during these events, continuity of the equipment is maintained.

Lead and Current Sensors
Littelfuse offers lead and current sensors to monitor up to 200 A loads. Available with various terminals for easy installation. Over and under current warning with adjustable trip delays.

Industrial Shank Blocks/GFCIs
The GFCI is a valuable asset for safety, equipment, and owner protection. This product is the first ground fault circuit interrupter (GFCI) to meet UL3073, a new standard for ground fault circuit interrupters. It continuously monitors the continuity of the circuit. A microprocessor-based circuit detects and interrupts current to prevent nuisance trips.

Motor Protection
Prevent motors from running with no load and provide protection due to overload or shorted phases. Supports a wide variety of applications, including pump applications, and reduces the probability of unnecessary trips. Offers advanced functions such as overload, overvoltage, and undervoltage protection.

Voltage and Phase Monitors
Provide real-time monitoring of voltage and phase parameters. Features include voltage monitoring, phase loss monitoring, and over/under voltage protection. The monitors also offer advanced features such as phase sequence monitoring, phase loss monitoring, and over/under voltage protection.

Pump Controllers
Navigate through the complete lineup of pump controllers for various applications. Featuring advanced diagnostics and fault detection capabilities, these controllers ensure reliable operation and minimize downtime.

Motor Protection
With a basic level of protection, and an advanced level of protection, motor protection can be customized for various applications, ensuring reliable and efficient operation.

Neutral Grounding/HRG Monitoring
Neutral grounding provides protection against ground faults within the system. Features include ground-fault detection, neutral grounding protection, and optional network communications.

Intrinsically-Safe Relays
Small, multi-function relays for use in industries that require intrinsically-safe designs. These relays feature advanced diagnostic capability, including pump supervision, input monitoring, and error handling.

Battery Monitoring
Monitor voltage and current, and provide protection against overcurrent and short circuits. The system is equipped with advanced diagnostic capabilities, including pump supervision, input monitoring, and error handling.

Class F Fuse Disconnect Switches
The Class F fuse disconnect switches combine the benefits of both contactors and fuses in a single, compact device. They offer a simple way to manually open and close circuits, while maintaining protection against overcurrent and short circuits. These switches are ideal for motor control applications, providing a cost-effective solution for circuit breakers and other contactors.

Power Distribution Blocks
Available in various sizes and styles, power distribution blocks offer advanced design flexibility and can be customized to meet the specific needs of various applications.

Alternating Relays
Used to alternate between two loads and are commonly used in HVAC applications to balance the current between two pumps. The relay uses a mechanical switching mechanism to switch between two current sources immediately.

Time Delay Relays
If the line voltage of a timer is below the minimum voltage, the relay will not function. The monitors help to prevent nuisance trips.

Arf Fuse Relays
Anfe fuse relays are designed for high-current, high-voltage applications, such as automotive applications. The monitors help to prevent nuisance trips.

As-Co Ground-Fault Relays
Complete and protect against ground faults by detecting ground faults before they escalate; detects ground faults from as low as 1.9 mV.

Neutral Grounding/HRG Monitoring
Neutral grounding provides protection against ground faults within the system. Features include ground-fault detection, neutral grounding protection, and optional network communications.

Ac-Smart Ground-Fault Relays
Sensitive ground-fault relays offering advanced features, such as ground-fault detection, neutral grounding protection, and optional network communications.
**PRODUCT PORTFOLIO & FEATURES**

**Fuse Blocks and Holders**
Enable easy fuse installation and replacement with fuse block. Fuse block holders are rated for continuous service at high-current applications. A complete compact, space-saving design option.

**Power Distribution Blocks**
Specially designed power distribution blocks provide protection against accidental shocks. Available in flush-end and blade bus bar mount, these are highly suited for the needs of a variety of applications.

**Surge Protective Devices**
Surge protective devices help provide equipment protection from transitory overvoltage events lasting micro-seconds. By limiting the voltage surge and limiting the duration of the waveform, breakdown of critical components can be mitigated.

**Load and Current Sensors**
Littelfuse load and current sensors monitor up to 250 A loads. Available with function terminals for quick installation. Uses or over current alarms along with adjustable trip delays.

**Industrial Shank Blocks**
The SHB308 is a universal panel, equipment, and meter protector. A product in the first ground fault circuit interrupter (GFCI) test list of UL1699C and provides protective phase and line application. It is the only GFCI designed to detect and open faults on the load side and log events of low insulation resistance caused by moisture, vibration, chemicals, or dust. An internal switch automatically re-energizes to open the circuit and shuts off the load side.

**Voltage and Phase Monitors**
Prevent motors from running with no load or phase loss and monitor phase balance and high-voltage trips.

**Class J Fuse Disconnect Switches**
Serves as a disconnect switch and is commonly used in a single, compact device. It offers an alternative to manually operated disconnect switches for use in equipment designed to control motors and switch circuits. The fuse allows automatically or manually switch the circuit and switch the circuit and switch the circuit.

**NEC Ground-Fault Relays**
Complete and resistant protection of VSCs to all high-resistance ground faults before they escalate; detects faults from 1 ms to 100 ms.

**Neutral Grounding/Fault Monitoring**
Continuously monitors the neutral ground-fault circuit interrupter to be listed UL943C (select models) and provides continuous monitoring of the neutral ground-fault circuit interrupter to be listed UL943C (select models). This one 5-channel pump controller handles multiple pump applications and can be used for non-alternating and non-alternating pump control for bypass and other motors. This one 5-channel pump controller handles multiple pump applications and can be used for non-alternating and non-alternating pump control for bypass and other motors.

**Basic**
With a basic level of protection, this switch can be installed to protect a motor and detect faulty conditions that occur in the switch and switch the circuit.

**Advanced**
Offering an advanced level of protection, multifunctional relays with an advanced level of protection, multifunctional relays with an advanced level of protection, multifunctional relays with an advanced level of protection, multifunctional relays with an advanced level of protection.
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