



Company Overview

Shaping **solutions** for the **safe** and **efficient** transfer of **electrical energy**



About us

Who We Are

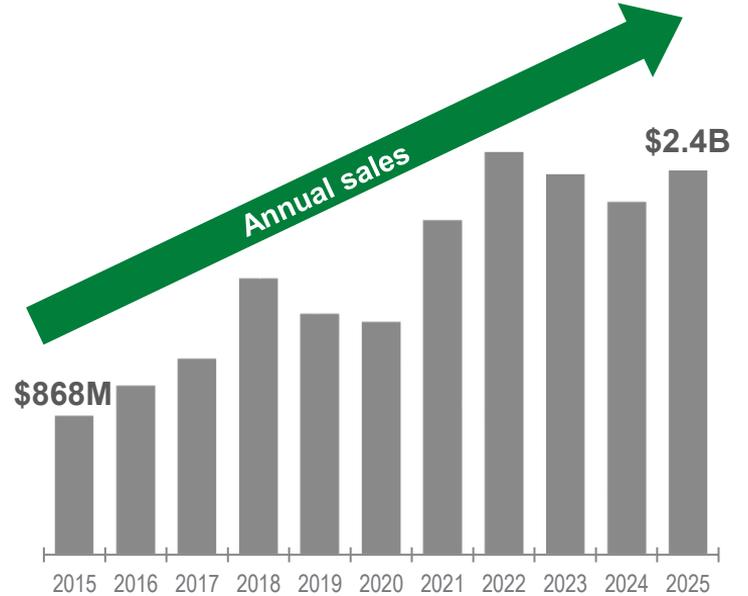
- **\$2.4B** industrial technology company
- **17,000** innovative employees across **20 countries** worldwide
- **Designer & manufacturer** of leading technologies that provide for the safe and efficient transfer of electrical energy in our customers' products

What We Do

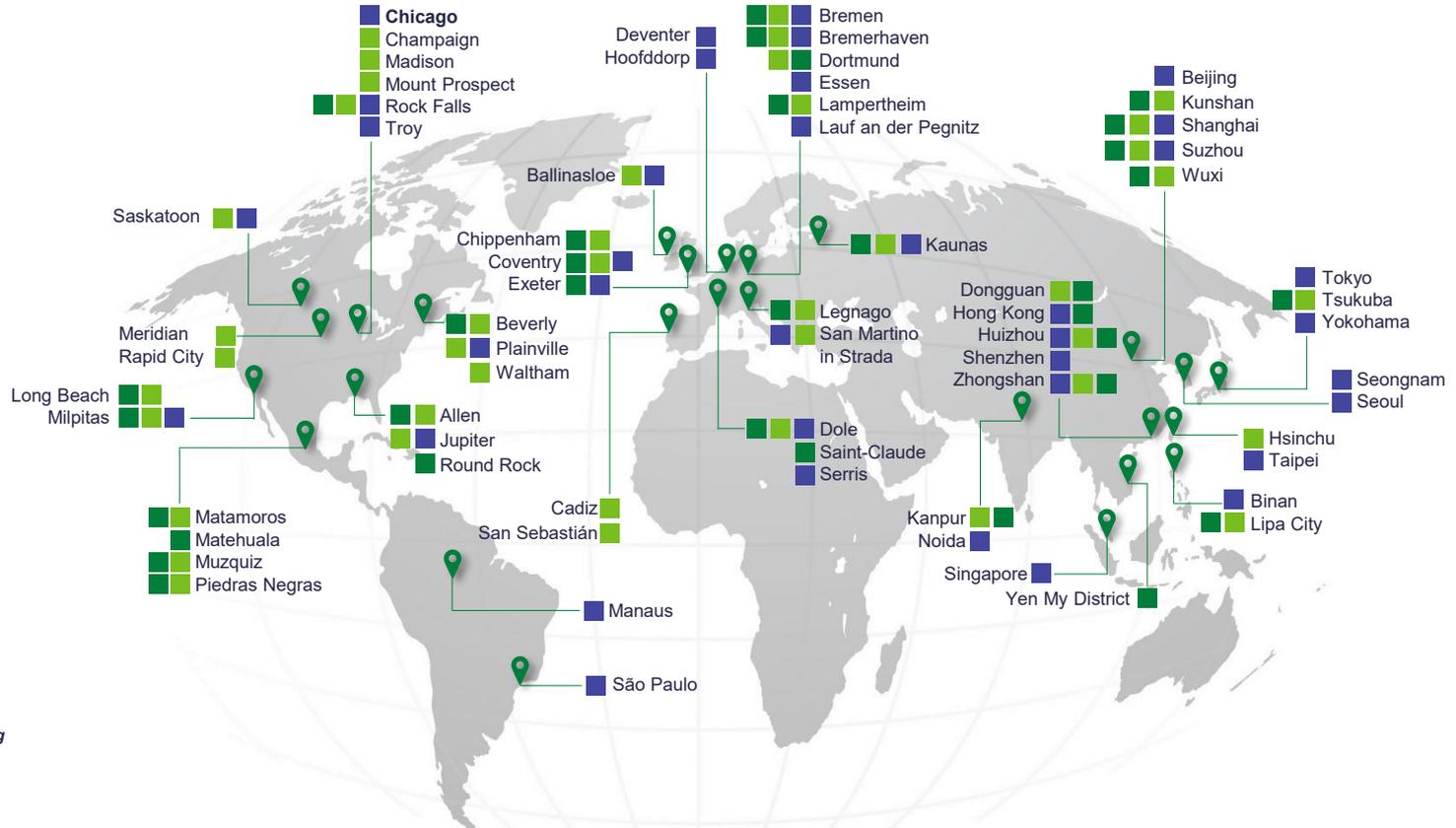
- We **partner with global customers** to design and deliver innovative, reliable solutions
- We collaborate to provide **technical & application expertise**

Who We Serve

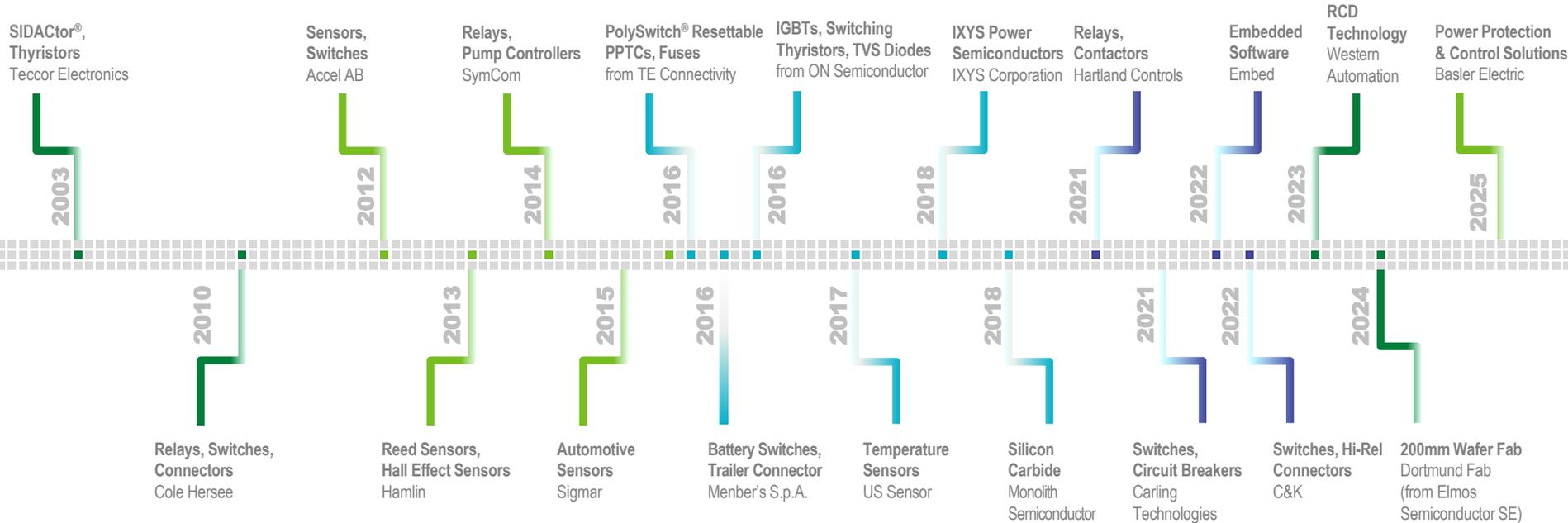
- Serving over **100,000 end customers**; our products are found in a variety of industrial, transportation, and electronics end markets—everywhere, every day



Global support with local resources



Growth through strategic acquisitions



Sustainability: Environment, Social, and Governance

More information can be found in our [Littelfuse 2025 Sustainability Report](https://www.littelfuse.com) on www.littelfuse.com

Environment

24%

reduction in GHG intensity since 2019

Goal: 38% by 2035

46%

of our manufacturing sites
utilize renewable energy

Established site-level annual
GHG and water target

37%

increase in water recycling

Three-year consecutive reduction
in hazardous waste

Social

22.5%

females in leadership,
an increase of 1.5% from prior year

Enhanced leadership training
and coaching program

3 Sites

Maintained zero workplace injuries
for 3+ consecutive years

805

Critical suppliers screened for ESG risk

91%

of employees agree their manager sets a
good example for ethical behavior

Governance

Local ethics ambassadors
program launched at
28 largest locations

30,200

hours ethics and compliance training



Gold Rating Ecovadis
Program (94th percentile)



Obtained third-party
verified GHG data

Enhanced Workplace
Investigation Program and
Training



Capabilities & Expertise

Empowering megatrend-driven transformation

Computing, Communications, & Diversified Industrials



- Data Center and Communications
- Healthcare
- Aerospace
- Consumer Electronics

Transportation & Logistics



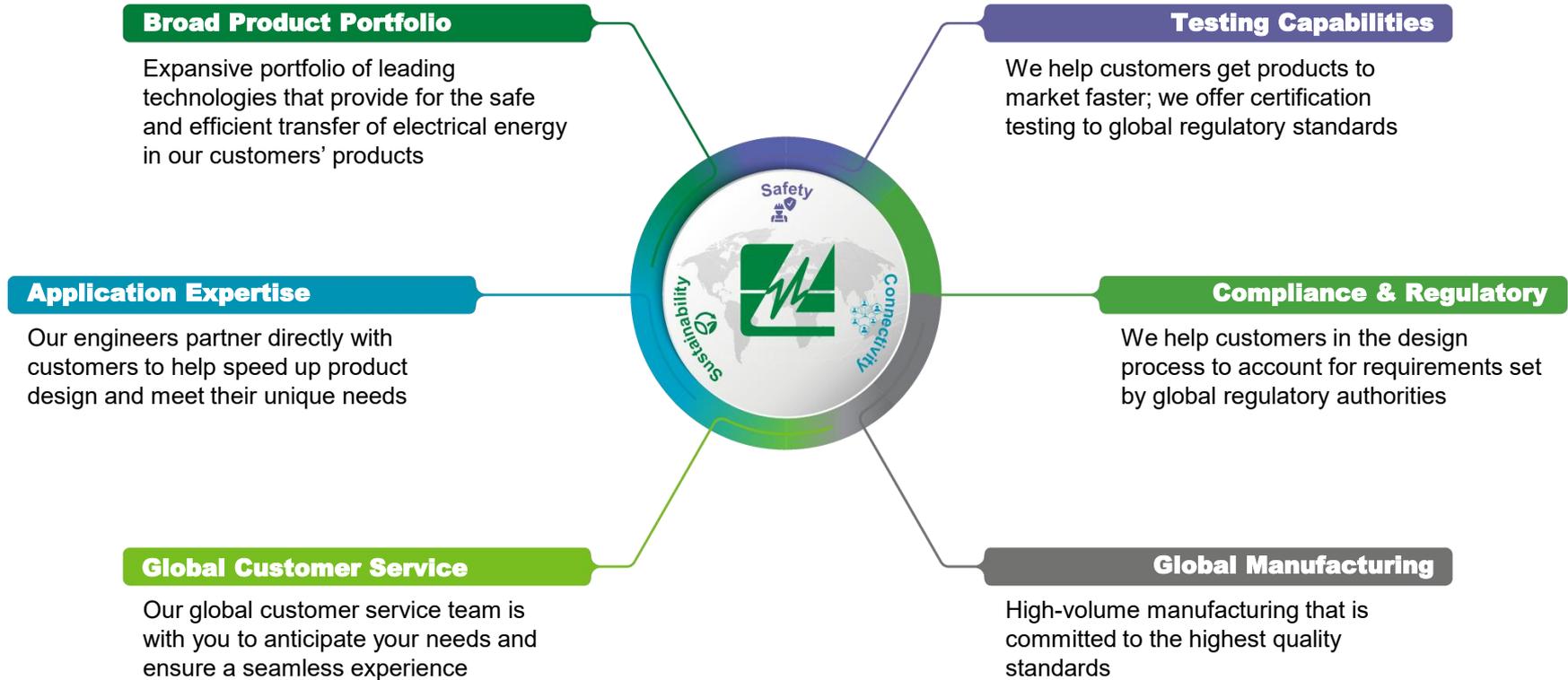
- eMobility
- Passenger Vehicles
- Heavy Truck & Bus
- Off-Highway Vehicles
- Railway Solutions
- Material Handling Equipment

Energy & Industrial Infrastructure



- Industrial Motor Drives
- Factory Automation & Safety Solutions
- Renewable Energy
- Energy Storage
- EV Charging Infrastructure
- Grid Infrastructure

Engineering agility from concept to launch



Customization capabilities

Circuit protection

- Over 90 years of experience in custom circuit protection solutions
- CAD drawing & 3D prototype builds
- Expertise on global safety standards (IEC, UL, etc)

C&K Switches

- Customized haptics (appearance, feel, & sound)
- Custom graphics, logos, lighting, & textures
- Custom tooling (molds, dies, etc.) & assembly
- Testing (IP67/IP68 standard, sweat resistance, etc.)

Power semiconductor

- Custom stack design, development & manufacturing
- Custom packaging
 - New package & new DCB/lead frame
 - Existing packaging & new DCB/lead frame

Sensors

- Custom products & package design
- Custom simulations & testing
- Rapid prototyping including 3D printing

Transportation

- Custom Power Distribution Module
 - Combining HVDC contactors, fuses, etc.
 - Built within IP67/6K9K-rated enclosure
 - Thermal simulations & testing capabilities
 - DC current sensing capabilities

Aerospace interconnects

- Build-to-print (manufacturing wire harness according to the customer's specifications)
- Design-to-build (concept development, technical configuration, digital mockup, sample, documentation, testing, & production)



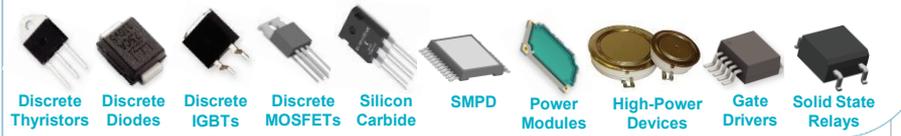
Product Overview

Littelfuse → broad spectrum of product technologies

Circuit Protection Solutions



Power Semiconductor Solutions



Industrial Control Solutions



Sensing Solutions



C&K® Switches



Aviation, Defense, and Space

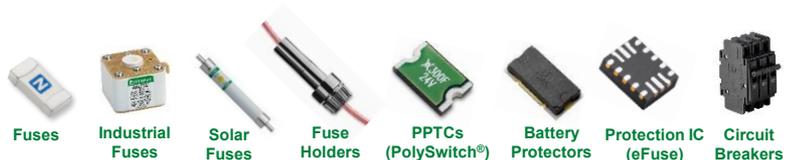


Transportation Solutions



Circuit protection solutions overview

Overcurrent Protection



ESD Protection



Polymer ESD Suppressors



Diode Arrays



Multilayer Varistors

Overvoltage Protection



Metal Oxide Varistors



Gas Discharge Tubes



SIDACTor®



TVS Diodes



Protection IC (eFuse)



LED Protectors & Modules

- **Industry's broadest portfolio** with many industry-first solutions
- **New innovative technologies** such as battery protectors, load switches, protection ICs (eFuse), etc.
- **Industry standards expertise and application testing capabilities** for various standards including UL, IEC, ITU, AEC-Q, and others
- **Global network of application expertise** to help address customers' design challenges
- **Solutions for many applications** including eMobility, industrial, data centers, consumer, building solutions

Power semiconductor solutions overview

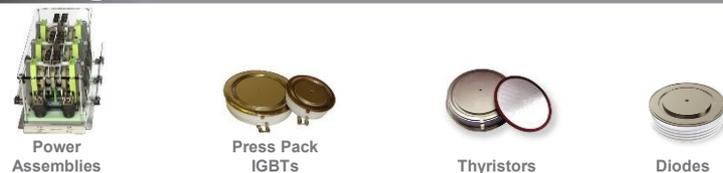
Discrete Devices, Gate Drivers & SSRs



Power Modules



High-Power Devices & Assemblies



- **Wide range of discrete devices and power modules** to address wide spectrum of power conversion needs
- **Industry's broadest lines of SSRs**, available in wide array of configurations, blocking voltages, & load currents
- **Extensive packaging capabilities including** industry standard packages, HV packages, and more
- **Standard and custom assemblies:** standard sub-assemblies for multi-megawatt power systems
- **Solutions for many applications** including industrial, EV charging, power supplies, and renewable energy

Industrial control solutions overview

Protection Relays and Controls



Industrial Controls



Other Solutions



- **Ground fault relays & Arc flash relays** for protection of personnel and industrial equipment
- **Motor & pump protection relays** designed to help protect from overloads, jams, phase loss, heat, etc.
- **Contactors, AC Relays** for safety of industrial equipment, HVAC systems, etc. against abnormal current
- **New Residual Current Monitors (RCM)** for electrical fault detection used across EV charging, industrial and renewables.
- **New High Endurance Solid-State Relays** for industrial automation, food & beverage, & HVAC systems

Standard and customized sensing solutions overview

Magnetic Sensing



Reed Switches



Reed Sensors



Hall Effect Sensors



TMRs

Temperature Sensing



Battery Mini-breakers



NTCs



RTDs



Temperature Probe & Assemblies



Temperature Indicators



Thermal Protectors

Other Sensing Solutions



PIR Motion Sensors



MCUs

- **Wide array of magnetic sensing products:** Reed, Hall Effect, and TMR
- **Broad range of temperature sensing** including thermistors and RTDs
- **Innovative solutions** such as PIR motion detectors & digital temp. indicators solutions for USB-C (setP™) and Lithium-Ion battery (TTape™) protection
- **Custom sensor design support** including custom packages, simulations and more
- **Solutions for many applications** including appliances, smart meters, battery management, automotive, EV, HVAC, and others

C&K[®] Switches solutions overview

Tactile, Pushbutton, Key Switch, DIP



Tactile



Pushbutton



Keyswitch



DIP

Detect, Snap Acting, Slide, Toggle



Detect



Snap Acting



Slide



Toggle

Rocker, Switch Lock, Rotary



Rocker



Switch Lock



Rotary



Customization

- **High-reliability, tactical, & miniaturized switches** with over 35,000 standard products and over 10 million switch combinations available in a variety of formats and styles
- **Custom design & innovation** to meet customer requirements for haptic touch, look, sound, and other unique features
- **Value added services** from integrated connectors and wire to fully customized assemblies
- **State-of-the-art manufacturing** facilities in Europe and Asia with in-house design and testing facilities

Aviation, defense, and space solutions

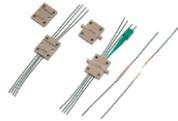
Connectors and rapid splicing solutions



Connectors



Accessories



SpaceSplice™
AeroSplice™

- **Connectors & accessories:** high-performance electromechanical switches, connectors, splice and accessories for aviation, defense and space applications

Harnesses and cable assemblies



Aviation passenger
service unit



Aviation lighting &
comfort controls



Defense Harness
interconnect



Satellites &
Launchers

- **Cable assemblies and harnesses:** Electrical Wiring Interconnect System (EWIS) and value-added products for aviation, defense and space applications

Components for mission critical systems



TVS Diodes



Fuses



Varistors



MOSFETs



Switches

- **Electronic components:** designed to meet highest reliability standards and designed for mission critical and rugged applications

Transportation* solutions overview

Protection & Sensing Solutions



Power Distribution Modules



Relays & Switches



* Littelfuse also offers AEC-Q-qualified circuit protection (fuses, PPTCs, MOVs, TVS diodes, and ESD suppressors), power semiconductors (ignition IGBTs, MOSFETs), and gate drivers for passenger and commercial vehicles

- **Wide range of circuit protection solutions** with AEC-Q qualification and PPAP capability
- **Extensive portfolio of sensing solutions** to monitor passenger safety and comfort, emissions, and more
- **Standard & custom power distribution modules** housing a variety of fuses, relays, and other electrical components
- **Variety of DC solenoid relays** for remote switching of electrical currents from 20 A to 600 A
- **Multiple electric/electronic switches** for battery disconnection, ignition, windshield wipers, and more



Resources

TechPoint: technical resource library

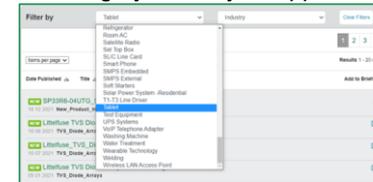
Check out this [overview video](#) and sign up to access Littelfuse content techpoint.littelfuse.com

Single destination for resources

- Open to Littelfuse, Partners and Customers
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- Enhanced search capability
- Browsing by Industry or Application

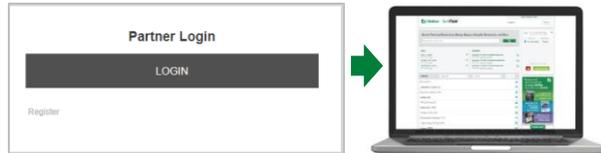
Search & Browse

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- Browsing by Industry or Application



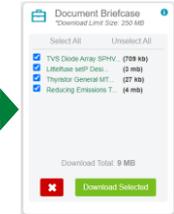
Easy sign in

- Registering a new account for first time sign-in
- Using SSO/Okta credentials for subsequent sign-ins



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- Document briefcase: wish list & download



Dashboard

- Overview of the latest content: New & Updated

New	Updated
Littelfuse_Gate_Drivers_PL 10/19/2021 Leading_Edge_Images	TVS Diode Array SPHV_C Datasheet 10/26/2021 TVS_Diode_Array
Littelfuse_High_Side_Low_Side_Image 10/19/2021 Power_Semiconductors	Littelfuse Discrete Thyristors K1947Z_A_0 Datasheet 10/19/2021 Discrete_Thyristors
Littelfuse_Half_Bridge_Image 10/19/2021 Power_Semiconductors	Littelfuse SiDACtor B61089BDR B61089QDR New Product Introduction 10/19/2021 SiDACtor

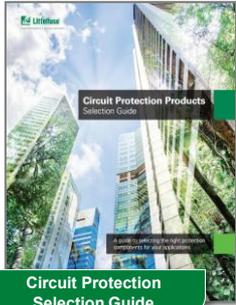
Key folders

- Application spotlights
- Competitor cross reference
- Customer Success Stories
- New Product Introductions
- Datasheet, Videos, Design Guides, etc

TechPoint

Additional information @ Littelfuse.com

Explore the world of Littelfuse with eCatalogs (ecatalogs.littelfuse.com)



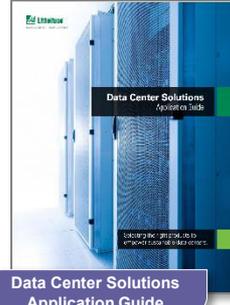
Circuit Protection Selection Guide



Power Semiconductor Selection Guide



Sensing Products Selection Guide



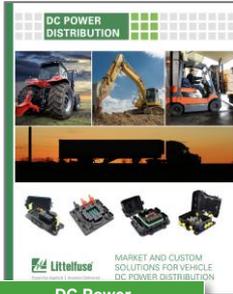
Data Center Solutions Application Guide



C&K Switches Selection Guide



Aerospace Application Guide



DC Power Distribution Guide



Transportation Product Catalog



Industrial Fuse Products Catalog



High-Speed Fuse Selection Guide



Protection Relays & Controls Catalog





Expertise Applied | Answers Delivered

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