

INDUSTRIAL AUTOMATION AND PLANT ELECTRICAL INFRASTRUCTURE SOLUTIONS

MOLEX INDUSTRIAL SOLUTIONS STORYBOARD FOR DISTRIBUTION

In this guide, we provide insight into our vision for the future, the role that Molex will play in enabling industrial manufacturing in the coming years, and the tools and resources available to support Molex distributors in collaborative projects and programs.

MOLEX INDUSTRIAL SOLUTIONS STORYBOARD

Leveraging innovative designs and engineering know-how to drive growth

Molex, a leading global electronics company headquartered in Illinois, has an 80-year history of providing leading edge solutions in interconnect systems and complex electronic solutions for demanding markets like Food & Beverage, Automotive and Material Handling. Molex experience and innovation extend to Woodhead and Brad products, continuing the legacy of developing best-in-class products that set industry standards.

Molex successfully helps our distributors meet design and infrastructure challenges brought by advancements in technology. Add to our undisputed electronics leadership position a portfolio of industrial connectivity products steeped in a legacy of product superiority in wet and rugged industrial environments. This combination of product quality and value-added expertise produces solutions that OEMs and end-users demand from distributors.

In return, we count on our distributors to amplify our brand presence in new and existing MRO and industrial markets.

Why Molex?



CORE PRODUCTS

Leverage Molex market dominance in our legacy product families



SOLUTIONS

Complementary development of standard and custom products to overcome industry challenges



NEW PRODUCTS

Collaborate on best-in-class NPI program that introduces new and extended product families



FOCUS MARKETS

Target the markets identified as offering superior mutual long-term profitable growth opportunities

Distributor Resources

Molex has a broad selection of supporting marketing and sales materials available to our distributors.



Blogs, articles and product spotlight videos



Interactive digital tools



Industry brochures and product datasheets



Subject matter experts



Learning Locker and Sales Tools

COMING SOON!

Industrial Solutions Focus Markets

Molex has a range of standard and custom industrial solutions that meet the unique challenges of operating in rugged, wet or heavy-duty industrial environments. Leveraging applications in multiple industries provides an opportunity to promote our broad range of core and new products.



Food and Beverage



Material Handling



Automotive Production



Shipyard



Oil & Gas/Energy

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KEY FOR DIFFERENTIATORS IN THE MARKET



Temporary Power

Molex can supply an entire portable power system that delivers unprecedented durability and lower long-term cost of ownership.



Safety and Compliance

Beyond performance and compliance, Molex products are valued in our focus markets as being the gold-standard of electrical and electronic product safety.



Range of Products

Molex offers a significant depth and breadth of products covering the diverse applications presented in our focus markets.



Reliability/Performance in Rugged, Wet or Hazardous Environments

Molex reliability and performance in rugged, wet or hazardous environments is unrivaled, continuously tested and verified.



Equipment in Motion

Molex offers both connectivity and power solutions to support equipment in continuous flexing applications.



Superior Product Materials and Design

Molex products are designed with higher-quality, higher-performing materials and components than other options in the market.

Focus Market: Food and Beverage

Harsh food and beverage processing environments require high performance products that keep workers safe and production lines running. Through its Woodhead and Brad lines, Molex provides a range of solutions able to perform in the most demanding circumstances, including wet and harsh plant floor conditions, extreme temperature and wash-down applications.



CORE PRODUCTS - INDUSTRIAL AUTOMATION

- **Network Infrastructure Components**
 - Harsh I/O IP67 Modules
 - Brad EtherNet/IP Infrastructure Connectivity
- **Sensor Solutions**
 - Inductive Sensors
 - Photoelectric Sensors
- **Sensor and Actuator Connectivity**
 - Brad Micro-Change M12, Nano-Change M8
 - Ultra-Lock connectivity IP69K
 - Stainless Steel MPIS Distribution Boxes
 - Heavy duty rectangular connectors
- **Power Distribution Connectivity**
 - BradPower Modular Power Solutions
 - Brad Mini-Change 7/8" Auxiliary Power Infrastructure
 - Brad M12 L-code Auxiliary Power Infrastructure

CORE PRODUCTS - PLANT ELECTRICAL INFRASTRUCTURE

- **Wiring Devices**
 - ArcArrest Connector System: New 60A and 30A version
 - Heavy-Duty Wiring Devices (Safeway & Super-Safeway)
 - Watertite Extreme Wet-Location Wiring Solutions
- **Portable Power**
 - Ground Fault Circuit Interrupter (GFCI) products
 - Super-Safeway Portable Power Systems and Outlet Boxes

RESOURCES

- [Evolution of Connectivity on The Food and Beverage Plant Floor](#)
- [Food and Beverage: Automation & Electrical Solutions](#)
- [Food and Beverage Solutions](#)
- [Watertite Extreme Wiring Devices](#)

DIFFERENTIATORS IN THE MARKET



Temporary Power



Reliability/Performance in Rugged, Wet or Hazardous Environments



Safety and Compliance



Equipment in Motion



Range of Products



Superior Product Materials and Design

Focus Market: Material Handling

Used in automation application types like warehouse, parcel & postal or baggage handling, Molex products have been time tested for toughness and durability in material handling plants worldwide.



CORE PRODUCTS - INDUSTRIAL AUTOMATION

- **Network Infrastructure Components**
 - Harsh I/O IP67 Modules
 - Brad EtherNet/IP Infrastructure Connectivity
- **Sensor Solutions**
 - Inductive Sensors
 - Photoelectric Sensors
- **Sensor and Actuator Connectivity**
 - Brad Micro-Change M12, Nano-Change M8
 - Heavy duty rectangular connectors
 - Brad mPm DIN Valve Connectors
- **Power Distribution Connectivity**
 - BradPower Modular Power Solutions
 - Brad Mini-Change 7/8" Auxiliary Power Infrastructure
 - Brad M12 L-code Auxiliary Power Infrastructure

CORE PRODUCTS - PLANT ELECTRICAL INFRASTRUCTURE

- **Wiring Devices**
 - ArcArrest Connector System: New 60A and 30A version
 - Heavy-Duty Wiring Devices (Safeway & Super-Safeway)
 - Watertite Extreme Wet-Location Wiring Solutions
- **Portable Power**
 - Ground Fault Circuit Interrupter (GFCI) products
 - Super-Safeway Portable Power Systems and Outlet Boxes

RESOURCES

- [Material Handling: Automation and Electrical Solutions](#)
- [ArcArrest Connector System](#)

DIFFERENTIATORS IN THE MARKET



Safety and Compliance



Range of Products



Equipment in Motion



Superior Product Materials and Design

Focus Market: Automotive Production

Molex pairs next generation innovation with proven reliability, delivering solutions that support vehicle production, even in harsh conditions.



CORE PRODUCTS - INDUSTRIAL AUTOMATION

• Network Infrastructure Components

- Harsh I/O IP67 Modules
- Brad EtherNet/IP Infrastructure Connectivity

• Sensor Solutions

- Inductive Sensors
- Photoelectric Sensors

• Sensor and Actuator Connectivity

- Brad Micro-Change M12, Nano-Change M8
- Heavy duty rectangular connectors

• Power Distribution Connectivity

- BradPower Modular Power Solutions
- Brad Mini-Change 7/8" Auxiliary Power Infrastructure
- Brad M12 L-code Auxiliary Power Infrastructure

RESOURCES

- [Electrical and Automation Solutions](#)

DIFFERENTIATORS IN THE MARKET



Safety and Compliance



Range of Products



*Reliability/Performance in Rugged,
Wet or Hazardous Environments*



Equipment in Motion

Focus Market: Shipyards

Companies engaged in the building, repair and maintenance of military ships and commercial cruise line vessels deal with harsh maintenance operations involving welding, water and tight workspaces. Molex OSHA- and NEC- compliant products perform in the roughest, wettest and most abrasive environments.



CORE PRODUCTS - PLANT ELECTRICAL INFRASTRUCTURE

• Wiring Devices

- ArcArrest Connector System: New 60A and 30A version
- Heavy-Duty Wiring Devices (Safeway & Super-Safeway)
- Watertite Extreme Wet-Location Wiring Solutions

• Grips

- Pulling Grips
- Strain-Relief Cord Grips
- Support Grips

• Lighting

- Hand Lamps
- String lights
- Wide-Area Lighting products

• Portable Power

- Ground Fault Circuit Interrupter (GFCI) products
- Super-Safeway Portable Power Systems and Outlet Boxes

• Reels

- Industrial and Heavy-Duty Cable Reels
- Specialty Cable Reels

RESOURCES

- [Watertite Extreme Wiring Devices](#)
- [Woodhead Portable Lighting and Electrical Products from Molex Help Illuminate and Power Shipbuilding and Shipyard Operations](#)

DIFFERENTIATORS IN THE MARKET



Temporary Power



Safety and Compliance



*Reliability/Performance in Rugged,
Wet or Hazardous Environments*



Equipment in Motion

Focus Market: Oil & Gas/Energy

From heavy-duty connectors that withstand the most hazardous environment to LED lighting that reduces downtime and increases productivity, Molex products optimize oil and gas production processes around the world.



CORE PRODUCTS - PLANT ELECTRICAL INFRASTRUCTURE

• Wiring Devices

- ArcArrest Connector System: 30A and 60A versions
- Heavy-Duty Wiring Devices (Safeway & Super-Safeway)
- Watertite Extreme Wet-Location Wiring Solutions

• Grips

- Pulling Grips
- Strain-Relief Cord Grips
- Support Grips

• Lighting

- Hand Lamps
- String lights
- Wide-Area Lighting products

• Portable Power

- Ground Fault Circuit Interrupter (GFCI) products
- Super-Safeway Portable Power Systems and Outlet Boxes

RESOURCES

- [LED Stringlight](#)
- [Oil and Gas: Automation & Electrical Solutions](#)
- [Watertite Extreme Wiring Devices](#)
- [Woodhead Haztex High-Output](#)

DIFFERENTIATORS IN THE MARKET



Temporary Power



Safety and Compliance



*Reliability/Performance in Rugged,
Wet or Hazardous Environments*

OTHER MARKETS APPLYING MOLEX INDUSTRIAL SOLUTIONS



Construction



Mining



Steel Production



Commercial
Vehicle Production



OEM



Utilities



Government



Rugged Commercial



Water/Wastewater



Industrial and Commercial
Manufacturing

PLANT INFRASTRUCTURE SOLUTIONS

Molex Campaign Messages



Safety

Anchored by Woodhead – the gold standard in safe watertight and industrial use since 1922 – Molex electrical products meet the challenges of demanding environments. Product enhancements and new products are developed with safety as the number one priority.



Reliability

Molex products utilize industry-tested and proprietary materials – from rubber, silver-nickel, stainless steel and others – to withstand abuse by temperatures, chemicals and physical rigors on the job site.



Performance

Rigorous testing required by UL, CSA and other national and international certifying bodies ensures that Molex products provide the ultimate in performance and protection and help users comply with OSHA and NEC requirements.

Solutions for Molex Key Audiences



Plant Managers

- Maximize uptime
- Downtime reduction leads to higher revenue
- Replacement parts readily available through our distributors to reduce unplanned downtime



Safety Managers

- Missed days due to workplace injury can cause unplanned downtime
- The safety of people and protection of plant equipment is of paramount importance to manufacturers



Engineers

- Downtime reduction leads to higher revenue
- Reduced implementation and maintenance costs
- Improving systems and equipment maximize uptime in a cost-effective and timely manner

INDUSTRIAL AUTOMATION SOLUTIONS

Molex Campaign Messages



Harsh Environments

Resistance to weld slag, abrasion, cuts and continuous flexing. Robust networking solutions in demanding environments.



Modularity

The combination of Brad products with Molex Heavy Duty Connectors and Flamar cables enables the creation of compact connection systems that accommodate multiple connector interfaces as needed for Material Handling applications.



Ingress Protection

Brad Connectivity products are designed to meet the increasing need for IP67 and IP69K solutions, with Brad M12 Ultra-Lock recognized in industries as most unique and beneficial.

Solutions for Molex Key Audiences



Machine builders and Line Integrators

- Connector solutions that cover all requirements
- Robust connectivity solution
- Custom products for unique applications
- Durability and reliability
- Brad Core Program Product Availability



Device OEMs

- Expansive industry product selection
- Versatility in customization
- Industry recognized quality standards



Maintenance, Repair & Operations

- Provides quick change-out/reduces downtime
- Reduces wiring errors

SUPPORTING DISTRIBUTION RESOURCES

Experience Molex Blog Site

Stay current on industry information and learn about our products and solutions through our blog posts and social feeds via experience.molex.com.

We work together with the world's innovators to design and manufacture electronic solutions that solve complex technical challenges. We've done it for over 80 years, and we'll continue to use our heritage of innovation and expertise to develop the technologies of tomorrow.

Choose from our list of categories or search the site to find thought-leading content on all the latest industry trends, or to learn more about some of our Subject Matter Experts!

CONNECT WITH US

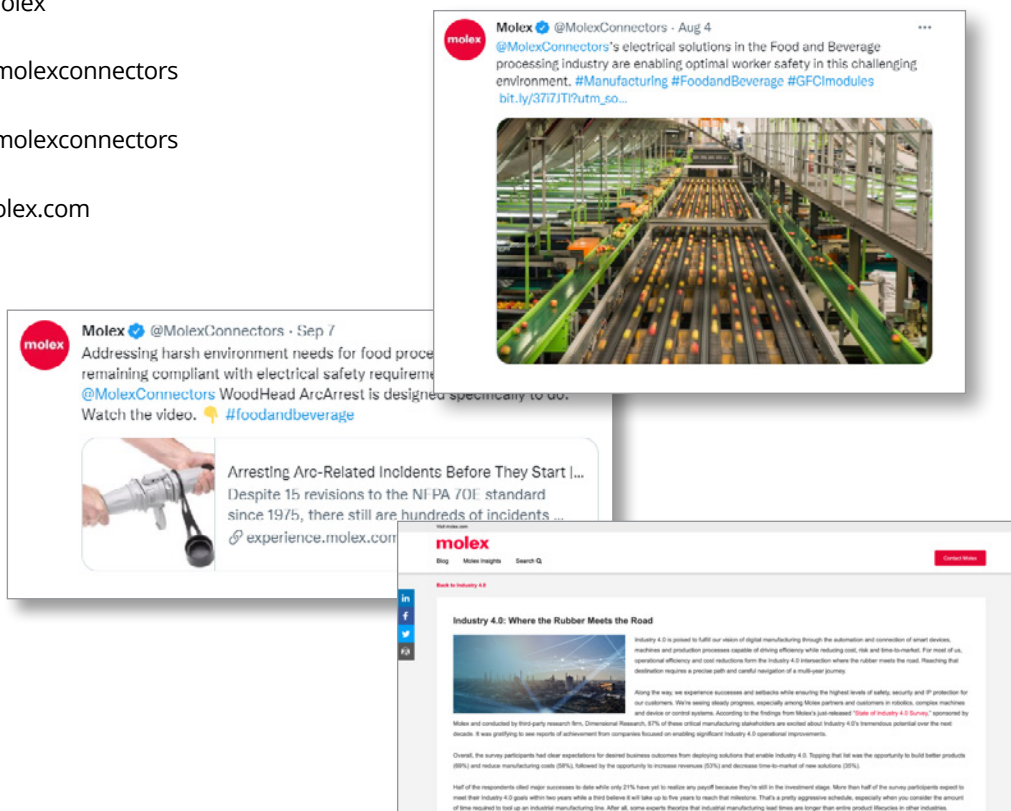
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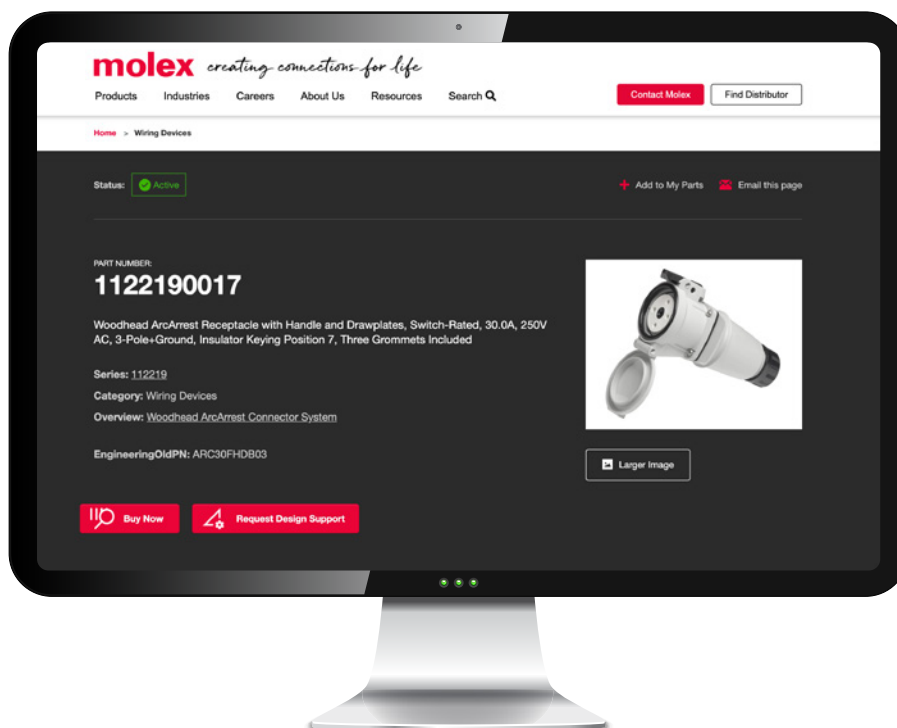
molex.com



Updated line-level pages on [Molex.com](https://www.molex.com) increase ease of use for our distributors.

The 'Check Distributor Inventory' button is now featured prominently within the page, enabling customers to quickly find stock of Molex parts. Since these changes have been made we have seen an increase in traffic of more than 30%.

Additional line-level page features include clearly organized engineering documents, specific part details, and more.



SUPPORTING RESOURCES:

Interactive Industry Guides

Explore Molex's virtual industry applications.

Our team of highly-skilled experts is focused on developing innovative product solutions to bring your designs to life. View each interactive guide and scroll over the scene to view the products and solutions that support each application.



Connected Home Solutions

From captive switches and LED displays to antennas and USB connectors, an extensive Molex portfolio supports a wide range of modern home applications. Bring the future home with Molex standard and custom solutions to help meet the unique challenges of connected opportunities.

[View Interactive Guide](#)



Data Center Solutions

Fast, reliable, seamless connectivity is critical to keeping data flowing securely through and beyond data centers. Molex delivers the solutions crucial to data center infrastructure, helping organizations of all sizes support faster processing, greater bandwidth and increased density.

[View Interactive Guide](#)



Food and Beverage Solutions

From the dry areas of the process to the most demanding hard environments, Molex's industrial communication, connectivity, power, control and play accessory products meet the increasing automation requirements of the Food and Beverage processing industry.

[View Interactive Guide](#)



Oil and Gas Automated Electrical Solutions

Optimizing oil and gas production processes through Molex's automation and electrical product lines; Brad, Woodhead, SST and GWconnect, Aero-Motive, minimizes cost and ensures safety. From heavy-duty connectors that withstand the most hazardous environments to LED lighting that reduces downtime and increases productivity.

[View Interactive Guide](#)

Sales Tools



Catalogs

Key product attributes, features, specifications and ordering information.



Datasheets

Key product attributes, features, specifications and ordering information for a specific product family.



Application Briefs

Identifies unique business problems and details Molex solutions.



Brochures

Helping sales engineers, distributors and customers find solutions for specific markets.



Molex - Product Spotlight - Easy-On FFC/FPC Connectors
Ideal for tight-packaging applications, Molex's line of FFC/FPC connectors come in various pitch options and include...

Product Videos

Introduces new products and summarizes product features and benefits.

Available Q1 2022

**MOLEX
LEARNING
LOCKER**

Learning Locker Program

The Learning Locker includes product training modules, videos and sales presentations to equip our distributors to promote and sell our product ranges. Learning Locker owners also benefit from samples of selected new products and automatic registration into our newsletter and other regular communications.



Learning Locker and
Sales Tools

Contact your Molex sales development or account manager today to reserve your Learning Locker.

Distribution Connection eNewsletter

Regular Molex news, announcements, product updates, featured products, events and more delivered right to your mailbox.

molex

MOLEX DISTRIBUTION CONNECTION



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creating connections for life

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