FOR PROCESS AUTOMATION

PRODUCT AND TECHNOLOGY GUIDE

PEPPERL+FUCHS
PROTECTING YOUR PROCESS
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WITH THE STRENGTH AND VERSATILITY OF OPERATIONS IN EVERY CORNER OF THE WORLD, WE'RE THERE WHEN YOU NEED US.

Our three centers of excellence define our global presence

**Mannheim**
Committed to engineering excellence, our European headquarters is located in Mannheim, Germany. More than 600 specialists are dedicated to continuing our heritage of high quality and innovation.

**Twinsburg**
Our U.S. headquarters in Twinsburg, Ohio brings our culture of constant achievement and innovation to the American market. Established in 1983, over 200 on-site employees are available to offer expert application analysis and technical expertise.

**Singapore**
Since 1979, our headquarters in Singapore has been supplying high-quality parts and engineering expertise to the Asia-Pacific region. The amazing growth market in China has made Asia a challenging and exciting sector.

A global presence enables Pepperl+Fuchs to offer the best of both worlds: extremely high engineering standards combined with efficient, low-cost manufacturing facilities.

- Technology centers in Berlin and Tuttlingen, Germany and Sulbiate, Italy each have their own development groups. Lean and flexible production methods enable customer-specific solutions for small production runs.
- Operations in Hungary and Indonesia are equipped with efficient, state-of-the-art production facilities for larger, cost-effective production runs.

A worldwide presence means we have exactly what you need to make your process efficient and reliable. It means the most advanced technical expertise in the business is standard with every Pepperl+Fuchs product—at no extra charge. It means we have the largest and most ingenious staff of seasoned and skilled engineers and field representatives in the industry. It means we're there when you need us.

To learn more about Pepperl+Fuchs and the advantage of a worldwide presence, go to www.pepperl-fuchs.com
BUSINESS OVERVIEW

Pepperl+Fuchs offers proven industry expertise through market-based, customer-focused products that provide answers to the toughest application problems. Our target industries are involved with chemicals, pharmaceuticals, oil & gas, petrochemicals, and other areas including wastewater treatment and power technology. In all industrial areas, Pepperl+Fuchs is both a supplier and partner for end users, control systems manufacturers, system integrators and engineering contractors. From our expert application analysis and global key account management, to our on-site engineering of new systems and technical support after the sale, we stand solidly behind every product we build.

HERITAGE OF INNOVATION

Pepperl+Fuchs' heritage of innovation has enabled us to establish and maintain a world-leading position as a supplier for conventional intrinsic safety interface devices. And we are utilizing these established sales paths to forge ahead with new product families. The rapidly increasing trend for networking processes and automated systems now enables us to offer Remote I/O systems and HART® interface solutions as well as complete FieldConnex® fieldbus installations. Our expertise in the area of explosion protection is highlighted with our conventional intrinsic safety interface modules and purge/pressurization systems. With the detailed knowledge of the process industries and its needs firmly in our grasp, we have developed a complete line of on-line corrosion and level measurement products as well as a competitive line of non-intrinsically safe signal conditioners. In addition to our continual expansion of business through organic growth, the Pepperl+Fuchs business group will continue to grow through acquisitions. This plan continues to be realized as we integrate the Extec brand of display and operating terminals into our full offering of Process Automation solutions. When it comes to offering solutions to the process automation industry, Pepperl+Fuchs should be your first choice.
Styrol is capable of creating very long, chain-formed molecules of polystyrol. Polystyrol is extremely versatile and is found in every facet of our lives. Our K-System intrinsic safety barriers are just as versatile as polystyrol and are a core component of any intrinsically safe solution. P+F’s K-System provides the most complete range of signal transfer & protection products and is as versatile as the material styrol.
THE K-SYSTEM – INTERFACE COMPONENTS ON DIN RAIL

THE K-SYSTEM IS VERSATILE AND OFFERS:

- The most complete line of intrinsic safety interfaces
- Explosion protection through intrinsically safe signal transmission
- Galvanic isolation and decoupling between the process and process control system
- Functional safety during the evaluation and transmission of your signals
- Rugged, reliable products to ensure a long lifetime for your installation
- Signal conditioning options for nonhazardous area applications

THE K-SYSTEM IS FLEXIBLE – JUST THE WAY YOU NEED IT

- C Series: Installation width of 12.5 mm for premium signal integrity
- F Series: Installation width of 20 mm for optimum installation density
- F Series: Installation width of 40 mm for demanding tasks

THE K-SYSTEM FEATURES:

- High-quality galvanic isolation
- Power Rail connectivity
- Redundant power supply
- Failure detection and diagnosis
- Collective error message
- HART communication to the field devices
- SIL rated for safety system applications (IEC 61508)
- Standard and intrinsic safety modules
- Worldwide certifications
- Keyed removable terminals
- AC and DC powered
- I/O limit alarms and logic controls
- Surge suppression
- Single, dual and quad channel designs

Pepperl+Fuchs’ full line of DIN rail mounted isolators is packed with features that make process control interface applications simple to design and easy to install.
Ethylene is a colorless and nearly odorless gas. It is highly reactive and is the basis for polyethylenes with its wide variety of product properties. Ethylene is produced by cracking (steam cracking) benzine and is one of the most important byproducts of petroleum chemistry. Steam crackers can include thousands of measurement points within explosion-hazardous areas. This is an ideal application for our compact, user-friendly Hi-Density (HiD) system.
WITH ITS HIGH PACKING DENSITY, THE HiD SYSTEM OFFERS YOU:

- Explosion protection through intrinsically safe signal transmission
- Galvanic isolation and decoupling between the process and the process control system
- Functional safety during processing and transmission of your signals
- Rugged, durable products to ensure a long life for your installation
- Optimum signal interfacing through standard plug connectors for each control system manufacturer
- Integrated HART multiplexer functionality on the motherboard - without additional wiring

- Modules with up to four channels
- Robust screw terminals or knife terminals on the (intrinsically safe) field side
- Custom connectors for quick and reliable interfacing to the control system
- Patented on-board marshalling
- Collective error message for monitoring of field circuits
- Integrated HART communication to the field devices
- SIL rated for safety system applications (IEC 61508)
Pepperl+Fuchs offers two feature-packed lines of zener diode barriers. With value in mind, the Z-Series and μZ-Series are suitable for any application requiring intrinsic protection.

**THE Z-SERIES EASILY HANDLES SAFETY IN REFINERIES AND CHEMICAL PLANTS**

- Intrinsic safety protection for hazardous area applications
- Multiple configurations for a wide range of signal options
- Replaceable fuse version improves operational efficiencies
- Multi-level terminal blocks allow easy wiring

**THE Z-SERIES FEATURES**

- Full range for AC and DC applications - 75+ models
- 1-, 2- and 3-channel versions
- Replaceable fuse version facilitates circuit loop checks and reduces installation cost and space
- International certifications
- Snap-on DIN rail ground/earth connection

**THE μZ-SERIES PROVIDES SAFETY IN A COMPACT HOUSING**

- Explosion protection through intrinsic safety signal transmission
- Low-profile module meets stringent cabinet requirements
- Standard replaceable fuse provides convenient “knife-edge” disconnect function
- Mounts and grounds/earths by clipping onto standard DIN rail

There is no need for additional conventional terminals when using the μZ-Series because of the fuse disconnect feature. The circuit loop can be “opened” leaving the wiring securely in place to simplify the installation check and circuit testing.
Pepperl+Fuchs is knowledgeable in the high-risk industry of hazardous area protection and the need for reliable power. Our power supplies are particularly well-suited to mission-critical applications. From emergency shut-down to fieldbus / HART networks, as well as many general-purpose process control applications, P+F power supplies meet the most demanding requirements of today's control system engineer.

**POWER SUPPLY FEATURES**

- 90 A capability
- N+1 load sharing design
- Built-in alarm outputs
- Adjustable output voltage
- High efficiency design
- Low noise makes it great for fieldbus applications
- Automatic power factor correction
- AC or DC powered

Our high integrity power supply is excellent for mission-critical applications. From its N+1 redundancy option to its hot swapping capability, this supply has a wide range of uses.

4 A and 500 mA K-System power supplies and power feed modules mount to the Power Rail. With this solution, any attached modules are automatically energized with no additional wiring.
Triphenylphosphine consists of colorless or yellow-white crystals, is highly soluble in organic solvents and easily forms highly soluble metal complexes. Triphenylphosphine is valuable, therefore, for the synthesis of vitamins and pharmaceutical substances as well as the production of varnishes and plant protective agents. Our Remote I/O systems RPI and IS-RPI are especially suitable for automating the synthesis processes.
The Remote I/O systems RPI and IS-RPI are modular, cost-effective connection systems for your intrinsically safe field signals in the explosion-hazard and safe zones. Both RPI and IS-RPI connect a wide range of sensors and signals to the process control system over a fieldbus. A variety of gateways are available for connection to different fieldbusses. Freely combinable I/O components and high modularity offers cost-saving installations. The systems are characterized by durability, reliability and simple handling.

**RPI – REMOTE PROCESS INTERFACE FOR THE CONTROL ROOM CABINET AND ZONE 2/DIVISION 2**
- Mounting in the Zone 2/Division 2 hazardous area or in the control room cabinet
- Simple, flexible DIN rail mounting with the power rail concept
- Modular design with 1 to 4 channels in a single module
- Overvoltage protection
- Simple plug-in
- HART via PROFIBUS available
- Fully redundant configuration

**IS-RPI – REMOTE PROCESS INTERFACE FOR ZONE 1/DIVISION 1**
- Mounting in the Zone 1/Division 1 hazardous area
- Intrinsically safe system components
- Modular design with 4 to 16 channels in a single module
- “Hot Swapping” – Devices are exchangeable while under power in the hazardous area
- HART via PROFIBUS available

RPI has a wide range of gateways including PROFIBUS DP, ControlNet, Modbus Plus, EtherNet and HART.
Every year, millions of tons of plastic granulates are colored, melted, and kneaded, ultimately to be injected into forms, pulled into foils, or blown into hollow parts. By combining different granulates, the properties and qualities of the products manufactured can be varied. The fine granularity of the raw materials enables combination in any mix ratio. Granularity is critical to the process. Our HART Multiplexer compliments your process control and signal processing operations. It enhances the entire process.
HART multiplexers provide digital access to the configuration and diagnostic data of your HART field devices without influencing the processing of measured values. The power of HART field devices already installed can be fully utilized to increase the value of your installation. We provide customer-specific interfaces that connect to your installation control systems. HART multiplexers are ideally suited for extension, modernization, and renovation of installations in process automation.

**K-SYSTEM MUX**
- Master/slave system for up to 7,936 field devices
- Compact design DIN rail mounting
- Network up to 31 multiplexers via RS 485
- Compatible with operating and asset management software (AMS, PDM, FieldCare, PACTware)
- Suitable for loop integrity up to SIL3

**HiD SYSTEM MUX**
- Stand-alone multiplexer for up to 992 field devices
- Motherboard solution
- Network up to 31 multiplexers via RS 485
- Compatible with operating and asset management software (AMS, PDM, FieldCare, PACTware)
- Suitable for loop integrity up to SIL3

**PACTware™ – MANUFACTURER- AND FIELDBUS-INDEPENDENT CONTROL INTERFACE**

Using PACTware™, you can configure and parameterize devices and systems in your installation with a single control interface. The integrated FDT (Field Device Tool) interface enables the best possible control concepts to define the interface for the integration of your installation documentation. There are numerous functions available for online monitoring.

- Fieldbus-independent operation of devices and systems
- Fast, efficient integration of devices
- Investment security due to shared use and continued development at PACTware™ member companies
Colors influence our lives. We use colors to express ourselves and reveal our personalities. The manufacture of paint and pigment, however, requires air quality measurements for volatile organic compounds (VOCs), isocyanates, and particulates and measurements of equipment efficiency, such as spray guns, spray booths and respiratory protective equipment (RPE). Our FieldConnex Fieldbus interface products provide a complete solution for connecting your paint processing instruments to the host control system. FieldConnex allows you to design your Fieldbus topology in an optimal manner for your specific application.
FieldConnex® – COMPLETE INSTALLATION TECHNOLOGY FOR THE FIELDBUS

FieldConnex is a comprehensive fieldbus installation system used to connect a host to the process field devices in the plant through either FOUNDATION or PROFIBUS fieldbus communication. All the components needed for communication, device protection, installation, power and diagnostics are available in FieldConnex.

POWER HUB FIELDBUS POWER SUPPLY

Our FieldConnex power hub is a unified power system for a transparent connection to the FOUNDATION Fieldbus H1 or coupling of PROFIBUS DP/PA segments. The High Power Trunk enables connection of the largest number of field devices, even in hazardous areas.

- Integration into any control system
- Redundancy options
- Very low power dissipation
- Offered with or without galvanic isolation
- Transparent coupling of PROFIBUS DP and PA
- Basic and advanced diagnostic monitoring

K-SYSTEM FIELDBUS POWER SUPPLIES

- Robust technology from a market leader
- Snap-on installation with Power Rail
- Extremely compact and energy-efficient
- Test plugs are easy to attach
Interface products provide a complete solution for connecting your instruments to a controller. FieldConnex has the right connection for you. Spur lines are connected to the trunk through Segment Protectors and FieldBarriers. FieldConnex enables you to design a topology to optimally satisfy your specific application for hazardous or nonhazardous protection: FISCO, FNICO, or Entity. In all configurations, the High Power Trunk concept is a new approach to solving hazardous as well as general-purpose area fieldbus applications. The High Power Trunk does not limit the energy on the fieldbus trunk cable; rather, the energy on the spur connection to the instrument is limited.

**FIELDBARRIER**
- Installation in Zone 1/Class I, Div 2
- High Power Trunk with intrinsic safety connections
- Galvanic isolation

**SEGMENT PROTECTOR**
- Installation in Zone 2/Class I, Div 2
- Live-work in a running operation
- Spur line with short-circuit protection

**FIELDBUS PROCESS INTERFACES**
Your analog and discrete signals are optimally connected to the fieldbus. FieldConnex integrates your signals with added value, like monitoring of end positions and stroke-time of valves.

- Valve couplers
- Discrete input signals

Segment Protectors provide isolation and short circuit protection of the fieldbus signals in a wide range of mounting configurations.

From DIN rail and instrument mounted terminators to a full line of cables and cordsets, we offer a complete selection of accessories to efficiently install a fieldbus network.
Commissioning, monitoring, and error correction require tools and instruments to display signal strength and quality. The Advanced Diagnostic Module for Power Hub monitors the fieldbus physics and communication online and in real time. Measured values can easily be evaluated on the PC. Using trend and alarm functions, the system warns of any possible interruption in communications, thus increasing system availability.

A variety of measurement options support you in error correction. This brings the system back on-line faster. Fieldbus systems have never been so easy to manage. Advanced Diagnostics are beneficial for any user with requirements such as high system availability and efficient commissioning and error correction.

The built-in oscilloscope shows the exact characteristic curve, helping to analyze fieldbus communications.

Mobile Advanced Diagnostic Module

A mobile advanced diagnostic module with USB-port for direct connection to a laptop is available for local diagnostics and troubleshooting.
Distillation is common in the process industry and is used to fractionate a wide range of liquids. In one example, petroleum is fed into a cracker and the resulting compounds are channeled into a column for further processing. At each fractionation level, the various distillates are extracted including gasoline, diesel and naptha. Whether these methods are carried out in the laboratory or a major facility, the areas surrounding the vessels are a perfect fit for our purge/pressurization systems. Our systems allow standard equipment to be used safely within these highly explosive areas, which in turn improves the efficiency of the operation.
BEBCO EPS – THE INTERNATIONAL-COMPLIANT PURGE & PRESSURIZATION SYSTEM

Purge & pressurization protection is suitable for many applications and is one of the most flexible Ex protection solutions. This ignition protection class makes it possible to operate non-Ex-capable devices in hazardous areas rated Zone 1/Division 1 and Zone 2/Division 2. The idea behind this technology is to prevent penetration of a potentially explosive atmosphere into a closed protective housing using a standing overpressure technology. With the series 3000 and 4000 systems, Pepperl+Fuchs Bebcos EPS offers a universal solution for the control and automation of devices, machines, robots, and systems in Zones/Divisions 1 and 2.

FEATURES

- Enclosure sizes up to 250 ft³/7m³
- Panel, kit or universal mounting
- Environmental pressurization system for nonhazardous areas
- Universal certification for worldwide use including ATEX
- Suitable for Class I, II, and III, Division 1 and 2/Zone 1 and 2 hazardous areas
- Rugged stainless steel design for trouble-free operation

Series 4000 purge systems feature a field-adjustable controller with a 12-point LED display for system functions. It can be used worldwide in Division 1 and Zone 1 hazardous areas because it’s certified to both North American and international requirements.

Series 3000 system employs a gas manifold block that reduces panel size and allows operation of equipment in Div. 2 and Zone 2 areas.

The Enviro-Line series of environmental pressurization systems are suitable for nonhazardous areas that contain dusty, dirty and corrosive atmospheres.

Our Type X, Y, Z, Ex nP and Ex p purging systems provide superior performance with worldwide support resulting in a high level of satisfaction.

P+F can supply all of the vents, regulators, pressure switches and other critical hardware like tubing and bulkhead fittings necessary for any purge/pressurization system.
Large parts of the earth are covered with water, but supplying the world's population with clean drinking water is one of our greatest challenges. With a comprehensive line of products for continuous level measurement and detection, we can solve your particular measurement tasks in a variety of media and application areas. P+F can meet your challenges.
INDUSTRY-LEADING SOLUTIONS

From the very basic to the most complex, Pepperl+Fuchs can engineer a complete level solution by incorporating our industry-leading selection of interface technology with our unmatched offering of level sensing instruments.

LEVEL SENSING FEATURES

- Worldwide certifications
- Sanitary mounting options
- Hazardous area solutions
- Fieldbus compatible
- Multiple process connections

LEVEL TECHNOLOGIES FROM PEPPERL+FUCHS

- Radar
- Ultrasonic
- Pressure
- Frequency Shift (Vibration)
- Capacitive
- Conductive
- Float

PULSCON

Measuring Principle:
Guided Radar—A constant voltage transmission pulse is directed down a stainless steel or hastelloy rod or cable and is reflected at the material surface. The level of the medium is determined by the sensor electronics and is based on the total runtime of the pulse.

- Great for fluids and granular materials
- 35 m/115 ft range
- Pressure, temperature and moving surface independent
- Optional display for configuration, tank mapping or signal evaluation
- Easy to install and calibrate

ULTRASONIC

Measuring Principle:
Ultrasonic—Sound pulses are reflected off a wide range of media and the resulting reflection measured for time in order to calculate a distance. This non-contact level measurement technique lends itself for both liquids and solids.

- Density, conductivity and dielectric consistent independent
- 32 point linearization option
- Easily programmed with convenient push-button display
- Sensing range from 1 ft...49 ft (0.3 m...15 m)
- Fixed target suppression

VIBRACON

Measuring Principle:
Frequency Shift – The frequency-of-vibration of the fork is reduced when it comes into contact with the medium being measured. The electronic interface internal to the sensor is used to create an output signal based on this change.

- Full range for both liquid and bulk materials
- Aluminum, plastic and stainless steel housings
- Process connections and pipe diameters as small as ½” and 1-½”/40 mm respectively
- No calibration; simple commissioning
- Sanitary versions available
- Process temperatures as high as 300°F/150°C
It is estimated that industry spends $276 billion annually on corrosion. These costs arise from a variety of areas. Prevention, monitoring, and repair are the main contributors to this high amount and these values do not even include down time as a result of corrosion. These costs are better controlled when corrosion is viewed as a process variable, rather than as a purely historical value or in a complex, scientific method. P+F can provide an easy-to-use instrument that gives greater insight to the process engineer. CorrTran is a device that pays for itself in a short period of time by helping to reduce needless expenditures on corrosion.
CORTRAN CORROSION MONITORING TRANSMITTER FOR ONLINE DETECTION

CorrTran monitors general and localized (pitting) corrosion in real time using a 4 - 20 mA signal. The corrosion rate or pitting factor is available as a standard 2-wire, 4 - 20 mA process value. The probe is simple to integrate into existing systems. Unlike the traditional coupon method that establishes an average corrosion rate over time, CorrTran can monitor corrosion on-line and in real-time rather than a historical “after the fact” method that misses the possibility of establishing a process-corrosion correlation.

- On-line corrosion monitoring in real time
- General or localized corrosion monitoring (pitting)
- Process pressure up to 100 bar/1500 psi
- Customer-specific configuration
- ATEX/US approval in accordance with II 1 G EEX ia IIC T4/Division 1
- HART capable

A NEW WAY TO MONITOR CORROSION

Coupons have been used to determine a historical corrosion trend that may extend over a 2 – 4 month period. Once analyzed, this data is used to determine the detrimental effects of corrosion over time; however, it does not allow corrections to be made as corrosion is occurring. On-line, real-time monitoring with CorrTran allows immediate changes to be made to the process as corrosion occurs thus reducing the effects of corrosion and lowering operating costs.
Powerful catalysts are necessary for production processes in the chemical industry, for both business and ecological reasons. Powerful HMI systems (Human Machine Interface) from Pepperl+Fuchs EXTEC allow optimum control, operation, and monitoring of production processes in the chemical, pharmaceutical, oil, and gas industries.
Pepperl+Fuchs EXTEC supplies industrial PC components and visualization equipment used in hazardous areas with a focus on equipment used for the human interface to automation systems. These include intrinsically safe electronic display and control device systems, Ex PC systems, intrinsically safe weighing and dosing terminals and intrinsically safe data collection systems, all for the most difficult requirements.

TERMEX –
INTRINSICALLY SAFE CONTROL TERMINALS FOR USE IN CHEMISTRY, PHARMACEUTICAL AND PETROCHEMISTRY

- Text and graphics terminals, non-Ex versions available
- Extended temperature range -20 °C ... +60 °C/-4 °F ... +140 °F
- Digital inputs/outputs
- Control panel mounting, wall or cabinet housing
- Backlight display
- PLC and computer interfaces (MPI, PROFIBUS, 3964R/RK512, AS511, Modbus/RTU, DF1)
- Certified for use in EN 45501-compliant operations requiring calibration
- Easily programmed using TERMEXpro and EPCA
- Wide variety of terminal peripherals in the hazardous area

TERMEXpro –
THE PROJECT SOFTWARE FOR GRAPHICAL PLANNING OF ALL CONTROL AND DISPLAY DEVICES IN THE TERMEX FAMILY

- Standardized data types per DIN 61131-3
- Language configuration (32 languages)
- Online help with “Natural Search” function
- Automatic project documentation
- PLC simulator
PCEX/VISUEX –
THE FIRST ON THE MARKET. THE ORIGINAL.

These PC panels are designed for use in hazardous areas and come with an ETHERNET network connection. They are PC-compatible, suitable for PC operating systems, as well as PC visualization packages, SCADA systems, soft PLCs and other PC-based applications.

- 10”, 12” display, touchscreen
- Powerful processor with 256/512 MB RAM and 20 GB hard drive
- IS peripheral interfaces for barcode reader systems, keyboard, USB and others
- Exe (increased safety) interfaces: Ethernet, RS485/TTY, USB
- Integrated software package for data backup and recovery
IPC-EX –
THE PC CONTROL STATION FOR THE MOST CHALLENGING OPERATING
AND VISUALIZATION TASKS OF PROCESSES IN CHEMISTRY,
PHARMACEUTICAL, PETROCHEMISTRY

The IPC-EX is a family of modular, intrinsically safe, PC operator terminals with a range of screen sizes, hazardous area KVM interfaces, touch screens, and industry-standard stainless steel housings. The modular design enables the system to be adapted to any task at hand.

- Compatibility with all PC operating systems
- 15”, 18”, and 21” LCD monitors, display, touchscreen
- Transmission distances of up to 1 km
- Various mounting options (wall, carrier arm, stand)
- Intrinsically safe peripheral interfaces for barcode reader systems and other external devices

And more ...

SCANEX – Intrinsically safe barcode reader
- Cable/radio scanner
- Stationary miniscanner

TASTEX – Intrinsically safe PC keyboards for the Ex zone
- Trackball, touchpad

COMPEX – Intrinsically safe components and systems for weigh scale systems
Wherever gas and oil are transported, distributed, and processed, the most stringent requirements exist for system availability and safety for people and systems. With our knowledge and expertise in the oil and gas industries, P+F is able to offer robust and reliable Field Junction Boxes as part of our Systems and Solutions group.
Pepperl+Fuchs products are used throughout the world in applications involving industrial, hazardous and corrosive environments. By engineering a complete solution at our own facility, Pepperl+Fuchs is able to offer its world-class products in a variety of panels and enclosures designed and built according to your specifications.

We are capable of developing and manufacturing a wide range of solutions including:

- Marshalling cabinets
- Displays and annunciators
- Distribution panels
- Control room cabinets
- Fieldbus panels
- Operator interface solutions
- Junction boxes
- Fieldbus power cabinets

Our new, modular Field Junction Box system for our FieldConnex products offers flexible solutions. In addition to customizing the housing size, you can specify everything from the screw connectors of the electronics to the over-voltage protection.

**HOUSING FEATURES**

- SS316L/1.4404 high-gloss polish
- Condensation runoff/ventilation
- Grounding bolts
- Mounting bracket
- Door hinges
- DIN rail
- Several standard sizes

A range of plastic housings are also available for the Field Junction Boxes.
FUNCTIONAL SOLUTIONS FOR THE WORLD OF AUTOMATION

For over a half century, Pepperl+Fuchs has been continually providing new concepts for the world of process automation. Our company sets standards in quality and innovative technology. We develop, produce and distribute electronic interface modules, Human-Machine Interfaces and hazardous location protection equipment on a global scale, meeting the most demanding needs of industry. Resulting from our world-wide presence and our high flexibility in production and customer service, we are able to individually offer complete solutions – wherever and whenever you need us. We are the recognized experts in our technologies – Pepperl+Fuchs has earned a strong reputation by supplying the world’s largest process industry companies with the broadest line of proven components for a diverse range of applications.

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