

Sharing passion.  
Cooperating as partners.  
Finding solutions.

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**Honeywell**  
THE POWER OF **CONNECTED**



Your automation, our passion.

 **PEPPERL+FUCHS**



# Honeywell and Pepperl+Fuchs— Partners in Process Automation

For over 20 years, Honeywell and Pepperl+Fuchs have been collaborating to bring customers innovative, tailored solutions. As a member of Honeywell's PKS Advantage™ program, Pepperl+Fuchs offers a wide range of products that are compatible with Honeywell's Distributed Control System (DCS) and Safety Manager (ESD/SIS).

## Solutions from the Explosion Protection Experts

Pepperl+Fuchs is a market leader in intrinsically safe explosion protection components and hazardous location expertise. From innovative mobile devices and rugged HMI workstations to trusted interface solutions, Pepperl+Fuchs products are the preferred choice for process automation applications worldwide.

Our focus is always on your individual requirements: With a passion for automation and groundbreaking technology, we are committed to working in partnership with you now and in the future. We understand the demands of your markets and channel our expertise into developing tailored solutions for your processes.





### Mobile Communication and Safety

ecom, a member of the Pepperl+Fuchs family, adds intrinsically safe tablets (Tab-Ex® 02 and Pad-Ex® 01), smartphones (Smart-Ex® 02), smartwatches (Smart-Ex® Watch 01), cameras (CUBE 800), Bluetooth® beacons (Loc-Ex®), and barcode scanners/RFID readers (Ident-Ex®) to our comprehensive explosion protection portfolio. The Bluetooth-enabled mobile devices designed for use in Zone 1/2 and Div. 1/2 support Honeywell's wearable gas detectors, fixed gas analyzers, and Forge Inspection Rounds solutions.



### HMI Solutions

Rugged and industrial human-machine interfaces from Pepperl+Fuchs are designed to meet the rigorous demands of real-time process control in hazardous locations. Our versatile portfolio of PCs, KVMs, remote monitors, and fully enclosed custom workstations features globally certified units for Zone 1/2 and Division 1/2 and high-bright displays with glove-friendly touch screens.



### HMI Solutions for Zone 1/21

The VisuNet IxD PC or remote monitor / thin client (19 in / 48 cm high-bright display) is a lightweight modular operator workstation for Zone 1/21. The system consists of three core components that are field-replaceable by the customer. The display unit features a ten-finger multi-touch sensor. The display and multi-touch sensor are optically bonded with the hardened front glass.



### Industrial Box Thin Client (BTC)

BTC12 and BTC14 are compact industrial box thin clients for 24/7 use in harsh industrial environments. A low-profile design and high operating temperature range of -20 ... 60 °C offer installation flexibility for automation cabinets, drawers in production, and control rooms. The BTCs support modern operator workstation setups. BTC12 features an Apollo Lake processor for up to two monitors, and the BTC14's AMD Ryzen Embedded processor supports up to four monitors. DisplayPort interfaces support sophisticated Ultra HD (4K) screens with 60 Hz. BTCs are shipped with VisuNet RM Shell 5 firmware for industrial-grade security and stability.



### HART Multiplexer Solutions

A 32-channel HART multiplexer and various termination boards designed for Honeywell TDC2000/3000 and C300 connect HART-capable instruments to asset management systems like Honeywell's FDM and PACTware using DTMs.



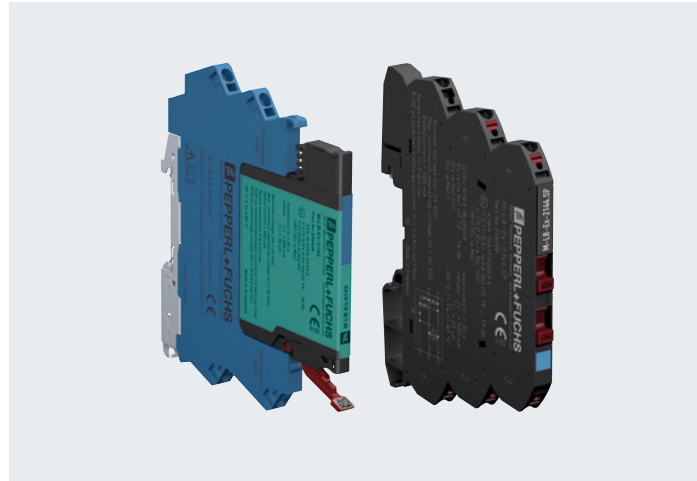
### WirelessHART

Loop-powered WirelessHART adapters turn devices into wireless transmitters. This allows access to valuable but formerly stranded data and device diagnostics. The devices can be connected to the Honeywell OneWireless™ Network, supporting WirelessHART (IEC 62591).



### Viator® HART Interfaces

Viator® interfaces are the perfect link between your PC or handheld and HART-capable field devices. These HART Registered modems offer wired (USB) or wireless (BLE) communication and are available as general-purpose and hazardous-location-certified models. Features include powerful, high-speed Bluetooth with 100 m open-air range and adaptive frequency hopping to reduce radio-frequency interference. HART DTM software supports use with FDT frame applications.



### M-LB Surge Protection

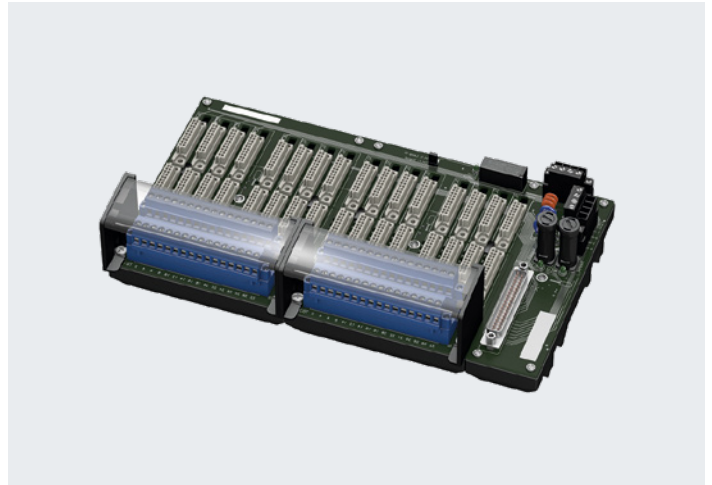
In a narrow housing design of only 6.2 mm, the small, smart, and unique M-LB-5000 (on left) and M-LB-2000 (on right) surge protection systems protect high-value components and plant assets from overvoltage and surge currents. The pluggable M-LB-5000 module offers a unique combination of diagnostics and modularity. With this one-channel modular plug-in system, modules can be replaced without disconnecting the signal circuit, and a loop disconnect feature is available for loop checking during FAT.





### H-System Interface Cabinets

Interface cabinets (HCJB-GPCS-RIO-xx) are available in a variety of sizes. They are linked to a Universal I/O solution from Honeywell and support 64, 32, or 16 I/O using a system cable to Honeywell's IOTA. Each solution is hazardous area certified and equipped with universal termination boards to accommodate the designated number of I/O and H-System modules.



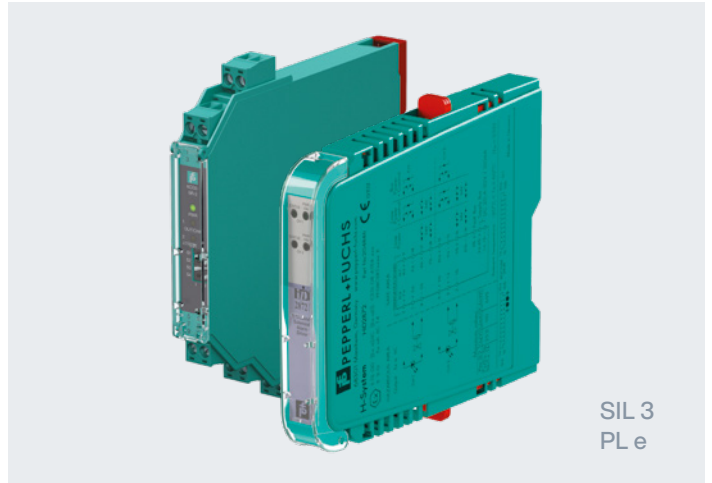
### H-System Termination Board Solutions

The 16-channel H-System termination board (FC-GPCS-RIO16-PF) with terminals on the field side and a 37-pin D-sub male connector on the system side is the ideal hazardous-location solution for Experion Series C300 (PUIO), Series C I/O, and Safety Manager / Universal Safety I/O (SUIO). Pepperl+Fuchs also offers additional 8- and 32-channel termination boards for individual I/O card solutions.



### THE BARRIER for Universal I/O Applications

THE BARRIER (HIC2441) was developed as an intrinsically safe interface for Honeywell's Universal Process I/O, and replaces several traditional modules—analogue in, analogue out, digital in, digital out—with a single multifunctional I/O module. This fully tested one-channel isolated barrier provides HART transparency, low power dissipation, and is self-adjusting with no configuration required.



### Safety Relay

The safety relay provides one-channel galvanic isolation between field and control circuits. It isolates load circuits up to 230 V AC and the 24 V DC control circuit. The HIC5861 has a fail-safe relay contact output for de-energized to safe (DTS) or the HIC5863 for energized to safe (ETS) functionality. Both versions are certified and permitted for SIL 3 and PL e applications.



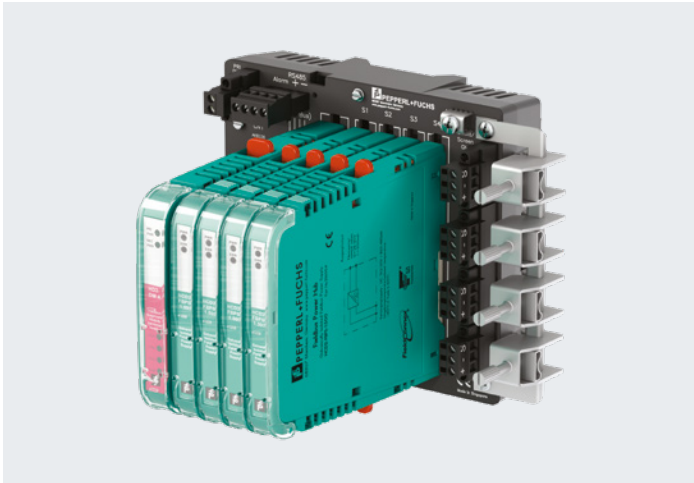
### Bebcu EPS® Type X / Ex pxb Purge Solutions

Fully automatic Type X / Ex pxb purge and pressurization solutions (6000 series) enable operation of general-purpose equipment in Class I & II, Div. 1 (Zone 1/21) locations. Global certifications, including ATEX, IECEx, FM, and UL.



### Bebcu EPS® Type Y / Ex pyb and Type Z / Ex pzc Purge Solutions

Fully automatic and pneumatic purge solutions (7500 series) enable operation of general-purpose equipment in Class I & II, Div. 2 (Zone 2/22) locations or Class I & II, Div. 2 equipment in Class I & II, Div. 1 locations. Global certifications.



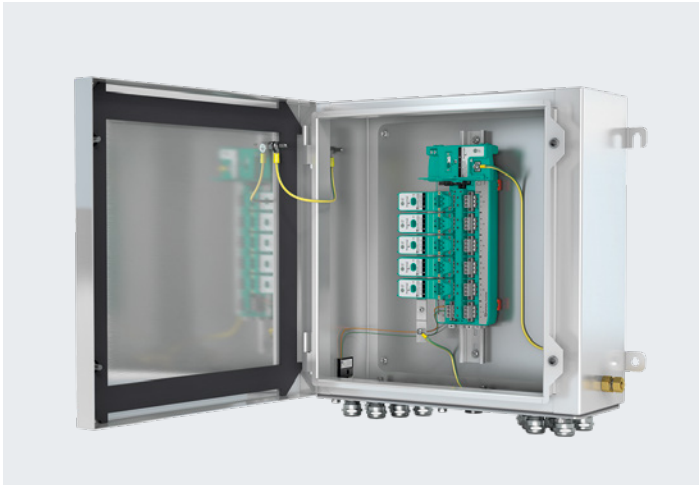
### Fieldbus Power Supply Using the Compact Power Hub

The compact Power Hub (MBHC-FB-4.HSC) consists of a motherboard and individual power supply modules. Also available for four redundant (MBHC-FB-4R.HSC) and eight redundant (MBHC-FB-8R.HSC) segments. The modular design allows solutions with a precise fit for different applications and types of explosion protection. Connection to the C300 is done using customized system cables to the FIM4 and FIM8.



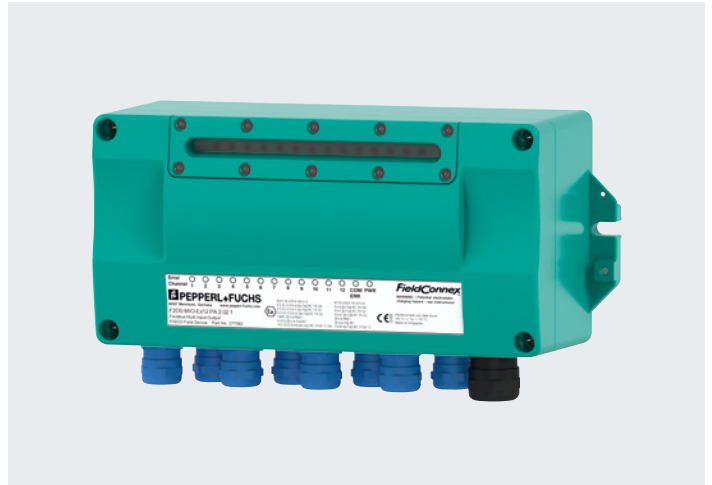
### PROFIBUS Segment Couplers

Segment Couplers connect general-purpose or intrinsically safe PROFIBUS PA instruments to PROFIBUS DP and PROFINET. The Segment Coupler is fully transparent, with no mapping or configuration required. It supports up to four simplex or redundant PA segments.



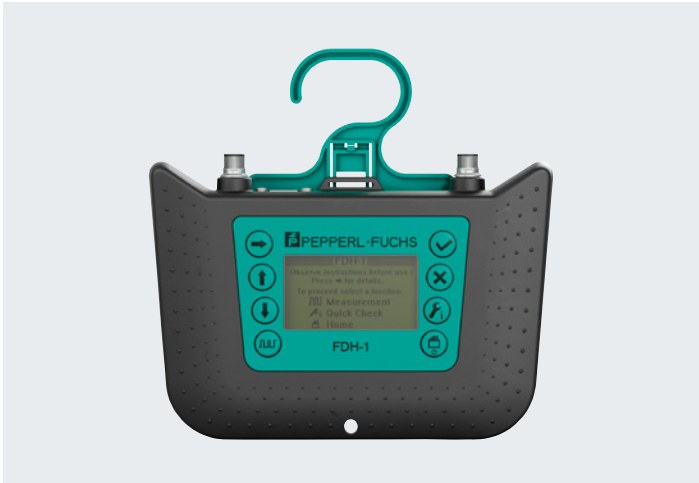
### FieldBarrier® Junction Boxes and Segment Protectors

For FOUNDATION Fieldbus and PROFIBUS PA, FieldBarriers® and Segment Protectors support up to 12 spurs. They feature an innovative trunk in/out T-connector with integrated fieldbus terminator and LED indicators for power and communication.



### Fieldbus Multi-Input/Output

The only compact fieldbus component (R8D0-MIO-Ex12.\*\*\*) for discrete inputs and outputs with intrinsic safety. Functions include valve control compatible with FD0-VC\*, 12 discrete inputs compatible with FD0-BI\*, four level monitoring inputs, and four frequency inputs. Easy integration into any DCS.



### Fieldbus Advanced Diagnostics

The fieldbus diagnostic handheld (FDH-1) is for commissioning, monitoring, and troubleshooting fieldbus systems. It visualizes the physical layer of FOUNDATION Fieldbus and PROFIBUS PA and can send alarms into PAM systems for predictive maintenance. Available in stand-alone motherboard, mobile, or handheld options.



### Fieldbus FieldConnex® Accessories

Pepperl+Fuchs offers a variety of accessories such as terminators, surge protectors, and enclosure leakage sensors for installation in the field and in control cabinets. Our accessories complement the FieldConnex® FOUNDATION Fieldbus H1 or PROFIBUS PA power supply and distribution system components. Fieldbus accessories help create a reliable and well-protected fieldbus infrastructure.

# Your automation, our passion.

## Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

## Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

Pepperl+Fuchs Quality  
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