

# The Next Generation

Pepperl+Fuchs H-System  
for Foxboro by Schneider Electric Systems

Intrinsic Safety Termination Board  
Solutions for Foxboro Standard 200  
and Compact 200 Series

[www.schneider-electric.pepperl-fuchs.com](http://www.schneider-electric.pepperl-fuchs.com)

**Foxboro**<sup>™</sup>  
by **Schneider Electric**

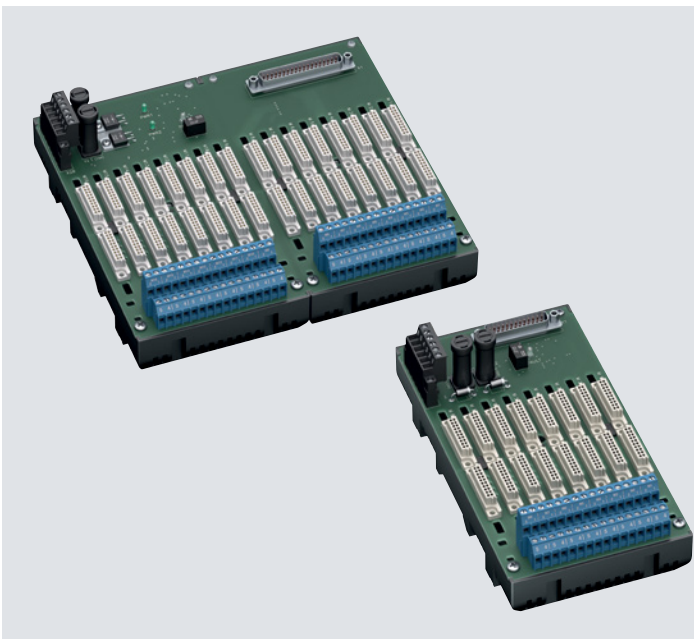


Your automation, our passion.

**pf** PEPPERL+FUCHS

# Continuing Decades of Success into the Next Generation

The H-System is Foxboro's preferred hazardous-location I/O. A fully tested and approved solution, it is pin compatible with Pepperl+Fuchs' K-System motherboard solution and uses standard Foxboro Type 1 and Type 4 system cables for connectivity to FBM baseplates. Space-saving H-System barriers and termination boards provide the densest solution in the market.



Termination boards are available with intrinsically safe wiring terminals and a D-sub connector specific to Foxboro Type 1 and Type 4 system cables. This allows easy connectivity to FBM baseplates, standardizes cabinet layout, and saves space.



HiC modules snap onto termination boards via plug and lock installation, with no tools or wiring required. Narrow housings enable high channel density while still offering low power dissipation to keep cabinets cool.

## H-System Intrinsic Safety Modules for Foxboro

- Just 12.5 mm wide—saves cabinet space
- Single-channel HiC modules for single-loop integrity and dual-channel HiC versions for increased density and savings
- Pre-wired termination board with customized D-sub connector for Foxboro Type 1 and Type 4 cables—keeps planning and wiring to a minimum

## Pepperl+Fuchs and Collaborative Automation Partner Program (CAPP)

Schneider Electric and Pepperl+Fuchs partner to provide customers with complete automation solutions for hazardous area applications. In this partnership, Pepperl+Fuchs serves as the main vendor for a large variety of products for the Schneider Electric EcoStruxure™ platform, including intrinsic safety isolators, signal conditioners, HART multiplexer solutions, FOUNDATION fieldbus, PROFIBUS, purge, HMI, and ecom intrinsically safe mobile devices.

## Plug and Play—for Every Process Control System

H-System is the most thoroughly tested and documented intrinsic safety solution for DCS or ESD systems. This extensive testing ensures the ultimate in safety, reliability, and confidence in your hazardous location system.

Also available for Triconex® Tricon and Tricon CX, the H-System is globally certified and supported. It is the only universal solution for both safety and control.



Redefining termination board technology

Foxboro		Pepperl+Fuchs				
FBM*		Module			Termination Board**	
Card	Channel	Barrier	Channel	Board	Modules	Channel
Universal I/O						
FBM247, FBM248	8 UIO	HIC2441, HIC2081, HIC2883 bus powered	1	HICTB08-FBM-RAC-SC-IO08	8	8
Analog Input						
FBM201, FBM214, FBM214b, FBM216, FBM216b	8 AI	HIC2025, HIC2081	1	HICTB08-FBM-RAC-SC-IO08	8	8
FBM211	16 AI	HIC2025	1	HICTB16-FBM-RAC-SC-AI16	16	8
Analog Output						
FBM215, FBM218, FBM237	8 AI	HIC2031	1	HICTB08-FBM-RAC-SC-IO08	8	8
Analog Input and Output						
FBM204, FBM205	4 AI / 4 AO	HIC2025 and HIC2031	1	HICTB08-FBM-RAC-SC-IO08	8	8
Digital Input						
FBM207b	16 DI	HIC2841	1	HICTB16-FBM-RAC-SC-DI16	16	16
FBM217	32 DI	HIC2842	2	HICTB16-FBM-RAC-SC-DI32	16	32
Digital Output						
FBM242	16 DO	HIC2871A, HIC2883	1	HICTB16-FBM-RAC-SC-DO16	16	16

\* FBM can be Standard I/O or Compact I/O

\*\* These termination boards can be connected to the FBM baseplate using standard Foxboro Type 1 and Type 4 system cables

# 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  
Download our latest policy here:

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