

The Next Generation

Technology
Partner

Schneider
Electric

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

www.schneider-electric.pepperl-fuchs.com

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

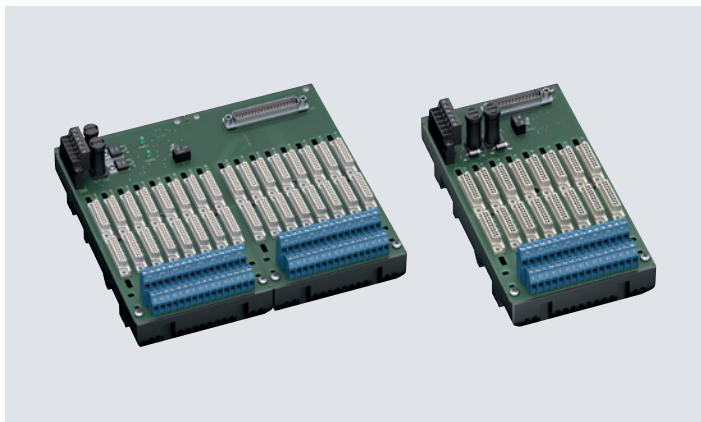


Your automation, our passion.

 **PEPPERL+FUCHS**

Continuing Decades of Success into the Next Generation

The H-System is Foxboro's preferred hazardous area 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 on 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 2-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

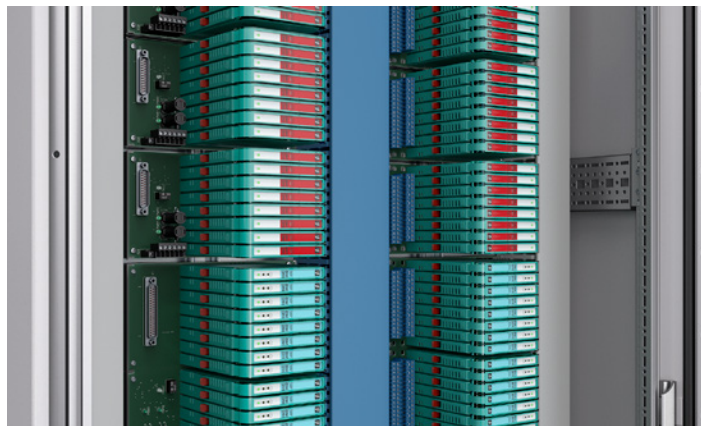
Plug and Play—for Every Process Control System

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 area 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.

Pepperl+Fuchs and Technology Partner Program (TPP)

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.



Redefining termination board technology

Module	Features	SIL	Channel	Termination Board	Modules	Channel
UIO	For Foxboro Card: FBM247, FBM248					
HiC2441	Universal (AI, AO, DI, DO)	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025 AI	for 2-wire SMART transmitters and current sources	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025Y1	AI for 2-wire SMART transmitters	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025A	AI, for Fire Detectors (IO = 93 mA)	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2031	AO	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2081	TI	SIL 2	1	HICTB08-FBM-RAC-SC-IO08	8	8
HiC2831R5	DI, TransOut, LFT	SIL 2	1	HICTB08-FBM-RAC-SC-IO08	8	8
HiC2883	DO, 45 mA @ 12 VDC, Test P. Immunity, LFT	SIL 3	1	HICTB08-FBM-RAC-SC-IO08	8	8
HiC5861	Safety Relay DTS, Non-IS, LFT	SIL 3	1	HICTB08-FBM-RAC-SC-IO08	8	8
HiC5863	Safety Relay ETS, Non-IS, LFT	SIL 3	1	HICTB08-FBM-RAC-SC-IO08	8	8
AI (8-channel)	For Foxboro Card: FBM201, FBM214, FBM214b, FBM216, FBM216b					
HiC2025	for 2-wire SMART transmitters and current sources	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025Y1	for 2-wire SMART transmitters	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025A	for Fire Detectors (IO = 93 mA)	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
AI (16-channel)	For Foxboro Card: FBM211, FBM214E					
HiC2025	for 2-wire SMART transmitters and current sources	SIL 2	1	HICTB16-FBM-RAC-SC-AI16	16	16
HiC2025Y1	for 2-wire SMART transmitters	SIL 2	1	HICTB16-FBM-RAC-SC-AI16	16	16
HiC2025A	for Fire Detectors (IO = 93 mA)	SIL 2	1	HICTB16-FBM-RAC-SC-AI16	16	16
AO (8-channel)	For Foxboro Card: FBM215, FBM218, FBM237					
HiC2031		SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
AI/AO (4-AI/4-AO channel)	For Foxboro Card: FBM204, FBM205, FBM244					
HiC2031	AO	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025	AI	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
HiC2025Y1	AI	SIL 2	1	HICTB08-FBM-RAC-SC-IO08 / HICTB08-FBM-RSC-SP-IO08-Y1 *	8	8
TI (8-AI channel)	For Foxboro Card: FBM201, FBM214, FBM214b, FBM216, FBM216b					
HiC2081		SIL 2	1	HICTB08-FBM-RAC-SC-IO08	16	16
TI (16-AI channel)	For Foxboro Card: FBM211, FBM214E					
HiC2081		SIL 2	1	HICTB16-FBM-RAC-SC-AI16	16	16
DI (16-channel)	For Foxboro Card: FBM207b					
HiC2821	RelayOut	SIL 2	1	HICTB16-FBM-RAC-SC-DI16	16	16
HiC2841	TransOut	SIL 2	1	HICTB16-FBM-RAC-SC-DI16	16	16
DI (32-channel)	For Foxboro Card: FBM217					
HiC2822	RelayOut	SIL 2	2	HICTB16-FBM-RAC-SC-DI32	16	32
HiC2842	TransOut	SIL 2	2	HICTB16-FBM-RAC-SC-DI32	16	32
DO (16-channel)	For Foxboro Card: FBM242					
HiC2871A	DO, 45 mA @ 12 VDC, Test P. Immunity	SIL 3	1	HICTB16-FBM-RAC-SC-DO16	16	16
HiC2883	DO, 45mA @ 12VDC, Test P. Immunity, LFT	SIL 3	1	HICTB16-FBM-RAC-SC-DO16	16	16
HiC5861	Safety Relay DTS, Non-IS, LFT	SIL 3	1	HICTB16-FBM-RAC-SC-DO16	16	16
HiC5863	Safety Relay ETS, Non-IS, LFT	SIL 3	1	HICTB16-FBM-RAC-SC-DO16	16	16

* with Connector for HART-Multiplexer

Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- 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
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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