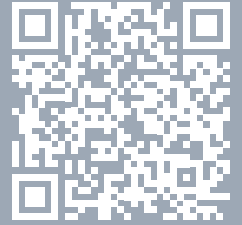


The Perfect Match

Technology
Partner

Schneider
Electric



Pepperl+Fuchs' H-System for EcoStruxure™
Triconex™ by Schneider Electric

Pepperl+Fuchs' Intrinsic Safety Termination
Board Solutions Customized for Tricon CX



Your automation, our passion.

 **PEPPERL+FUCHS**

Partnering for the Ultimate Solution in Safety and Success

The ongoing partnership between Schneider Electric and Pepperl+Fuchs has created another standard for safety in the industry, following the great success and wide acceptance of the Tricon solution in recent years. Pepperl+Fuchs' H-System for Tricon CX is a fully tested and preferred solution. The space-saving H-System barriers and termination boards offer the densest solution on the market when space for intrinsic safety barriers is a critical issue.



H-System Intrinsic Safety Modules for EcoStruxure™ Triconex™ - Tricon CX

Termination boards are available with intrinsically safe wiring terminals and a Triconex-specific ELCO or D-Sub plug connector to standardize the cabinet layout and maximize spacing.



Schneider Electric and Pepperl+Fuchs—Partners in Industrial Automation

HiC modules snap onto termination boards with a plug & lock installation, requiring no tools or wiring. The narrow interface provides the highest possible signal density, while the low power dissipation keeps the cabinet cool.

- HiC modules with only 12.5 mm width for maximum space savings in the control cabinet
- 1-channel HiC modules for single loop integrity
- 2-channel HiC modules for higher density and savings
- Custom termination board with specific ELCO or D-Sub connectors and H-System intrinsic safety modules for Triconex Tricon CX I/O safety system
- Prewired termination board with Tricon system cables minimizes planning and wiring effort

Schneider Electric, worldwide specialist in energy management and industrial automation, and Pepperl+Fuchs, global expert for explosion protection technology, have been united by a partnership for more than 30 years. As part of the Technology Partner Program (TPP), Pepperl+Fuchs also offers a complete range of automation solutions for Schneider Electric's EcoStruxure™ and the process automation industry.

Online Configurator

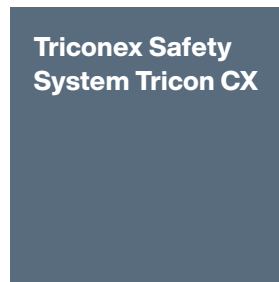
Visit the online configurator on the WebPortal to select your solution



Plug and Play—for Every Process Control System

Redefining termination board technology

Pepperl+Fuchs' H-System isolated intrinsic safety barriers for EcoStruxure™ Triconex™ - Tricon CX plug into customized termination boards. The termination boards include the appropriate ELCO or Sub D plug-in connector for the new Tricon CX. H-System is the most thoroughly tested and documented intrinsic safety solution for a DCS or ESD system. This extensive testing ensures the highest level of safety, reliability, and confidence in your hazardous location ESD system. Customized termination board solutions are also available for EcoStruxure™ Triconex™ - Tricon and Foxboro DCS. Certified and supported worldwide, the H-System offers the only universal barrier solution for safety and control.



Signal Type

- Analog Input
- Analog Output
- Discrete Input
- Discrete Output
- Universal Input/Output
- Temperature Input

Tricon CX I/O Cards (Channel)

- 3506X (32)
- 3626X (32)
- 3722X/3723X (32)
- 3809X/3809AX (16)
- 3902X/3902AX (16)

Channels per Barrier

- 1-channel
- 2-channel

A Seamless Portfolio

As a partner of Schneider Electric, Pepperl+Fuchs serves as the main vendor for:

- Intrinsic safety galvanic isolators
- Signal conditioners
- HART Multiplexer solutions
- FOUNDATION Fieldbus
- PROFIBUS
- Purge and pressurization
- Special-purpose HMI solutions
- Intrinsically safe mobile devices



Triconex		Pepperl+Fuchs						
Tricon CX		Module				Termination Board		
Card	Channel	Type	Features	SIL	Channel	Type	Modules	Channel
Digital Input								
3506X (32)	16 + 16	HiC2821	RelayOut	SIL 2	1	HICTB16-TRX-RAC-PL-DI16	16	16
		HiC2841	TransOut	SIL 2	1		16	16
		HiC2822	RelayOut	SIL 2	2	HICTB16-TRX-RAC-PL-DI32	16	32
		HiC2842	TransOut	SIL 2	2		16	32
Digital Output								
3626X (32)	16 + 16	HiC2871A	40 mA @ 12 VDC, Test P. Immunity	SIL 3	1	HICTB16-TRX-RAC-PL-DO16	16	16
		HiC2873	45 mA @ 12 VDC, Test P. Immunity	SIL 3	1		16	16
		HiC2883	45 mA @ 12 VDC, Test P. Immunity, LFT	SIL 3	1		16	16
		HiC5861	Safety Relay DTS, Non IS	SIL 3	1		16	16
		HiC5863	Safety Relay ETS, Non IS	SIL 3	1		16	16
Analog Input								
3722X/3723X (32)	16 + 16	HiC2025		SIL 2	1	HICTB16-TRX-RAC-PL-AI16	16	16
		HiC2025Y1		SIL 2	1		16	16
		HiC2025A	for Fire Detectors (I ₀ = 93 mA)	SIL 2	1		16	16
		HiC2025ES		SIL 3	1		16	16
Temperature Input								
3722X/3723X (32)	16 + 16	HiC2081		SIL 2	1	HICTB16-TRX-RAC-PL-AI16	16	16
Analog Output								
3809X/3809AX (16)	16	HiC2031		SIL 2	1	HICTB16-TRX-RAC-PL-IO16	16	16
		HiC2031ES		SIL 3	1		16	16
Universal Input/Output								
3902X/3902AX (16)	16	HiC2441	Universal (AI, AO, DI, DO)	SIL 2	1	HICTB16-TRX-RAC-PL-IO16	16	16
		HiC2025	AI	SIL 2	1		16	16
		HiC2025Y1	AI	SIL 2	1		16	16
		HiC2025A	AI, for Fire Detectors (I ₀ = 93 mA)	SIL 2	1		16	16
		HiC2025ES	AI	SIL 3	1		16	16
		HiC2031	AO	SIL 2	1		16	16
		HiC2031ES	AO	SIL 3	1		16	16
		HiC2081	TI	SIL 2	1		16	16
		HiC2821	DI, RelayOut	SIL 2	1		16	16
		HiC2841	DI, TransOut	SIL 2	1		16	16
		HiC2831R4	DI, TransOut, LFT	SIL 2	1		16	16
		HiC2853R4	DI, TransOut, LFT	SIL 3	1		16	16
		HiC2883	DO, 45 mA @ 12 VDC, Test P. Immunity, LFT	SIL 3	1		16	16
		HiC2871A	DO, 40 mA @ 12 VDC, Test P. Immunity	SIL 3	1		16	16
		HiC2873	DO, 40 mA @ 12VDC, Test P. Immunity	SIL 3	1		16	16
		HiC5861	Safety Relay DTS, Non IS	SIL 3	1		16	16
		HiC5863	Safety Relay ETS, Non IS	SIL 3	1		16	16

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
- Vibration Sensors
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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