

# Safety above All.



H-System

Globally certified protection for people, plants, and the environment.



## System Properties

- Isolated barriers can be mounted on a termination board without tools
- Field and control sides are connected via plugged-in modules
- Termination boards with codable slots
- Termination boards are mounted in the switch cabinet on a 35 mm DIN mounting rail
- Modules up to SIL 3 for all signal types
- Can be used at ambient temperatures between  $-40\text{ °C} \dots +70\text{ °C}$  ( $-40\text{ °F} \dots 158\text{ °F}$ )

## System Highlights



### Simple and Flexible Mounting

- The modules can be mounted horizontally or vertically without limitations
- Coding pins prevent the modules being positioned incorrectly
- Marking on the termination board remains the same, even when modules are replaced



### Benefits of System Plugs

- Interface levels can be quickly and reliably connected to all leading process control systems
- Reduced effort required for planning and documentation
- Tested solutions that have been optimized for switch cabinets available for a number of process control systems



### High Availability

- Fixed wiring means no loop checking is required when replacing the modules, so this can be done during operation
- High availability due to diagnostics and fault monitoring in modules and termination boards



### Worldwide Approvals and Support

- International approvals
- International support at more than 80 locations

Your automation, our passion.

# All Signals



## Universal Barrier

- One channel
- Inputs: NAMUR, mechanical contacts, (0)4 mA ... 20 mA
- Outputs: Digital output up to 45 mA, (0)4 mA ... 20 mA
- For all signal types
- Self-adjusting, no configuration required
- For use on universal I/O cards

# Digital Input Signals



## Switch Amplifier

- One or two channels
- Inputs: NAMUR, SN/S1N sensors, volt-free contact
- Outputs: Relay, voltage supply, transistor

# Digital Output Signals



## Solenoid Drivers

- One channel
- Contact input, logic input, field device supply
- Valve, acoustic/visual alarm



## Relay Modules

- One channel
- Logic/test input, field device supply
- Relay

# Analog Input Signals



## Transmitter Power Supplies

- One channel
- 2-wire transmitter, current source, (0)4 mA ... 20 mA
- 0(1) V ... 5 V



## Measuring Signal Converters

- One channel
- 2-/3-/4-wire connection, voltage, temperature sensors
- 0(4) mA ... 20 mA

# Analog Output Signals



## Current Drivers

- One channel
- 4 mA ... 20 mA
- I/P converter, visual alarm, positioner, 4 mA ... 20 mA



For more information, visit  
[pepperl-fuchs.com/h-system](http://pepperl-fuchs.com/h-system)