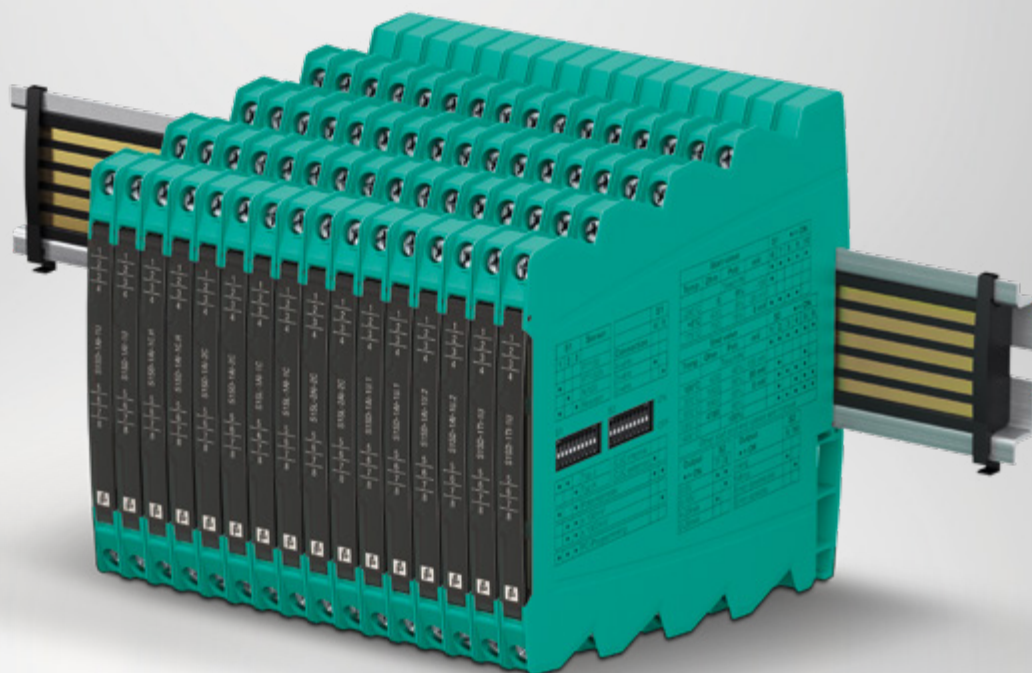


High-quality isolation
Extended temperature range
Extremely compact housing

SC-System: Signal Conditioners
for Industrial Automation



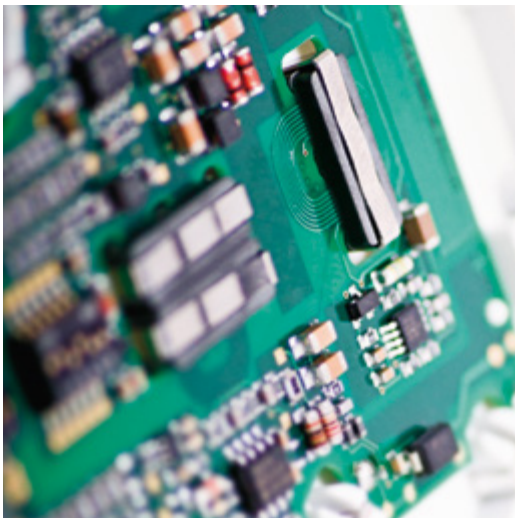
Your automation, our passion.

pf PEPPERL+FUCHS

Interference-Free Signals, Maximum Performance

Reliability in its most Efficient Form

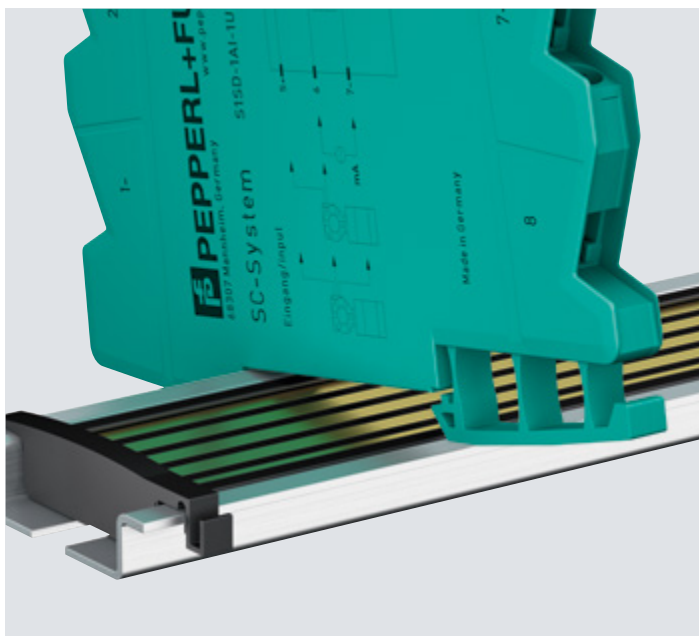
Reliable signal transmission between field devices and control levels is a prerequisite for a smooth and efficient process flow. Signal conditioners are especially used in long transmission paths to prevent leakage current that can be caused by earth loops, thereby protecting signal transmission. Signal conditioners also offer effective protection against electromagnetic interference and dangerously high voltages in the signal lines in case of a fault. Depending on the version, the signal conditioners also offer additional functions, such as trip point amplification, signal splitting, and converting field signals into standard signals.



The SC-System: Galvanic Isolation in Extremely Compact Designs

As a pioneer and an innovator in electrical explosion protection, Pepperl+Fuchs sets particularly high standards. These also apply to the signal isolators of the SC-System in non-hazardous areas.

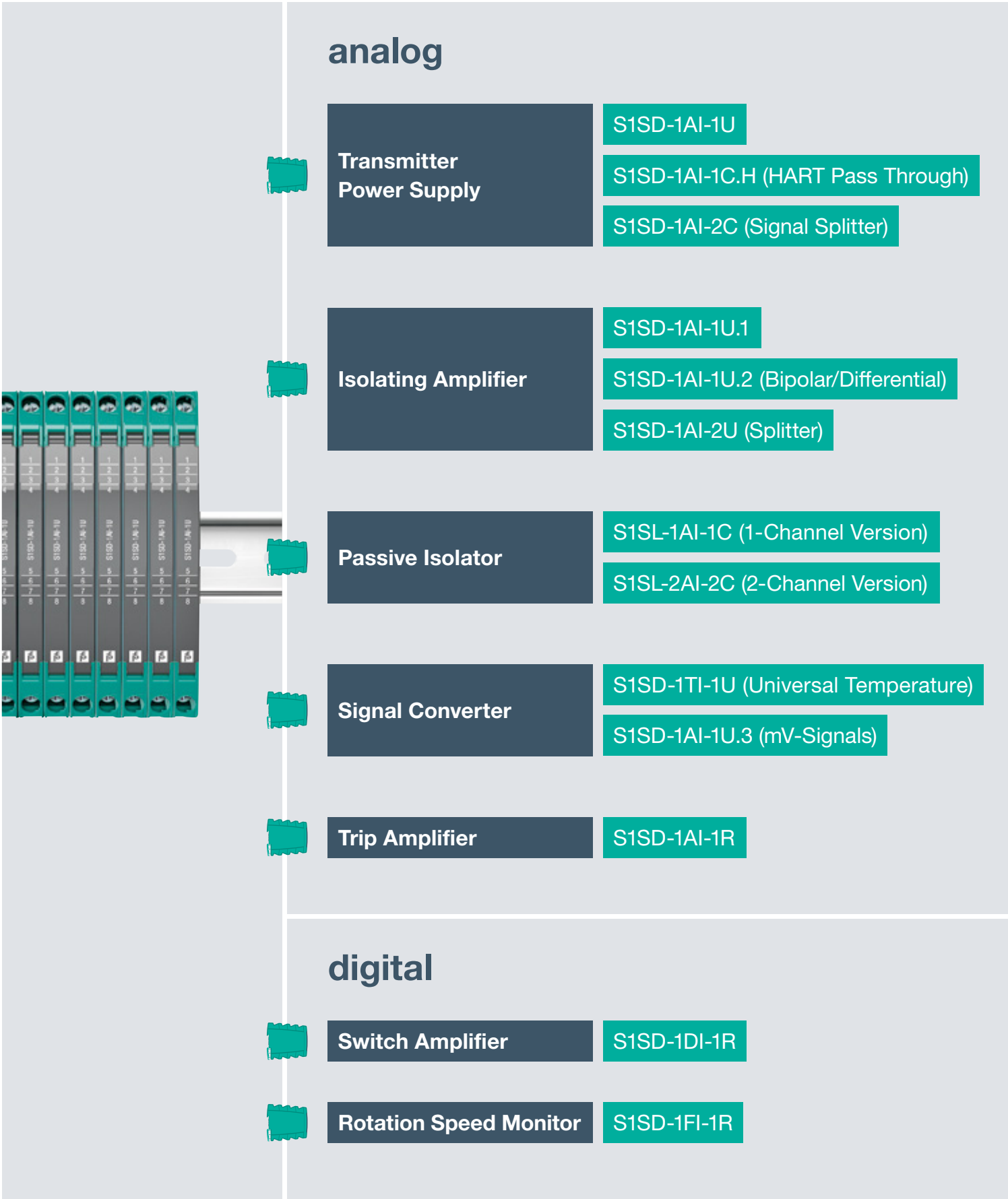
The SC-System stands out with its high-quality isolation, extended temperature range, and extremely compact design, making retrofitting and replacement very easy. Powerful modules for all analog and digital measurement signals are available—from isolating amplifiers and highly functional temperature converters to switch amplifiers. The corresponding accessories make it quick and easy to mount, configure, and supply power to the signal conditioners.



Key Features of the SC-System

- The power bus allows for quick and easy mounting and reduces the required wiring
- Module width of 6 mm and height of 97 mm means minimal space is required
- Extended temperature range from $-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- High-quality galvanic isolation with 300 V working voltage and 3 kV test voltage guarantees the most effective protection of people and plants
- Wide range of I/O selection
- UL Certified

Functionalities of the SC-System



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:

www.pepperl-fuchs.com/quality

