

**Driving technology.
Ensuring reliability.
Redefining safety.**

Safety Relays with Diagnostics



Your automation, our passion.

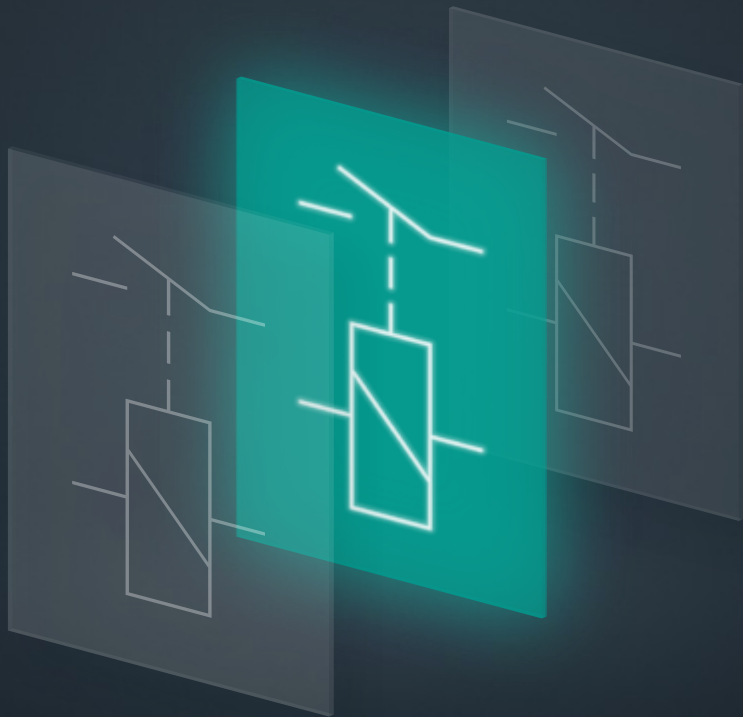
pf PEPPERL+FUCHS

The Perfect Match for Process Industry's Requirements

- Over 25 years of safety expertise in the process automation industry
- Ensures the safe switching of field devices
- Optimal combination of safety and availability
- Up to SIL 3 with 1oo3 architecture
- New modules as the result of strong partnership with customers and renowned DCS and ESD manufacturers

Installation of over 1 million SIL
rated devices each year





Reliable Self-Diagnosis

- Automatic check of an elementary relay with each switching operation
- Fault message via control and LED on the device
- Minimal testing effort: complete self-test of the device within three switching operations



Complete Line Monitoring

- Line fault transparency ensures permanent control of the entire line—without switching operation and additional wiring
- Precondition for safe switching on

Additional highlights:

- Test pulse immunity of the control input ensures trouble-free operation, even with activated test pulses
- Space-saving and efficient due to exchangeable fuse in the load circuit

For more information, visit us online:
www.pepperl-fuchs.com/safetyrelays

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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