

Standardized
interface

One data block
for all signals

Diagnostic data
and warnings

Safe transmission
of the actuator ID

INNOVATIVE SAFETY ENGINEERING

EN

IO-LINK SAFETY

EUCHNER

More than safety.

SAFE CONNECTIONS!

The IO-Link Safety solutions from EUCHNER offer you safe, standardized communication up to SIL3 / PL e. The full availability of data from our safety products allows for simple installation, maintenance, and device replacement.



WHAT IS IO-LINK SAFETY?

IO-Link Safety offers a manufacturer-independent interface for safe communication for sensors and actuators in automation systems. The connection between IO-Link Safety Master and the devices transforms a conventional single cable into a full range safe communication interface, without the need for complex and costly networking.

KEY FEATURES:

- Continuous safe data connection up to SIL3 / PL e
- Standardized interface
- Manufacturer-independent
- Simple parameterization of devices via IO-Link
- Data storage mechanism for easy configuration of replacement devices

WHY IO-LINK SAFETY?

IO-Link Safety gives you seamless functional safety from the control system to the sensors. It meets the highest safety standards, such as SIL3 and PL e, and allows safe and non-safe signals and diagnostic data to be transmitted via the same standard interface.

BENEFITS FOR YOU:

- Additional functions are available with safe data transmission
- Standardized interface reduces planning and installation effort
- Detailed diagnostic data and warnings allow for increased machine availability
- Parameterization of a variety of device functions via the IO-Link setup provides flexibility

WHY CHOOSE SAFETY SWITCHES FROM EUCHNER?

EUCHNER has a proven portfolio of electronic safety switches and safety door systems with non-contact, transponder-coded technology, which meet the highest safety standards: PL e and SIL3.

BENEFITS FOR YOU:

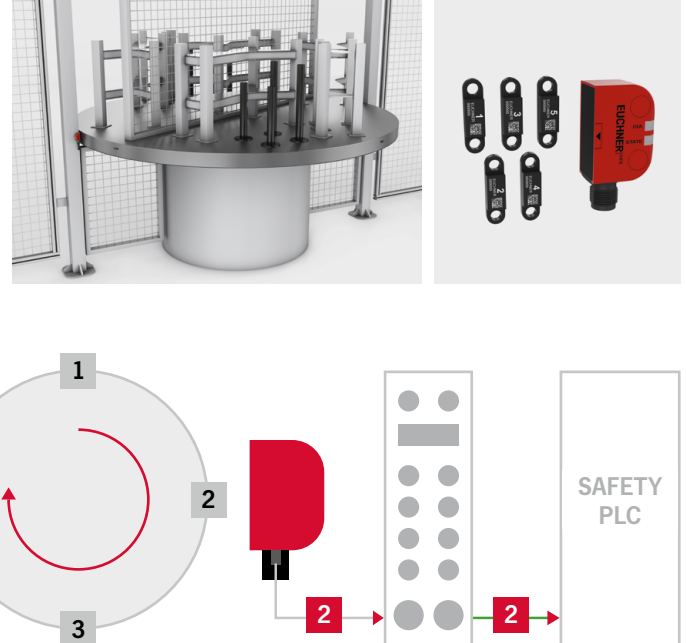
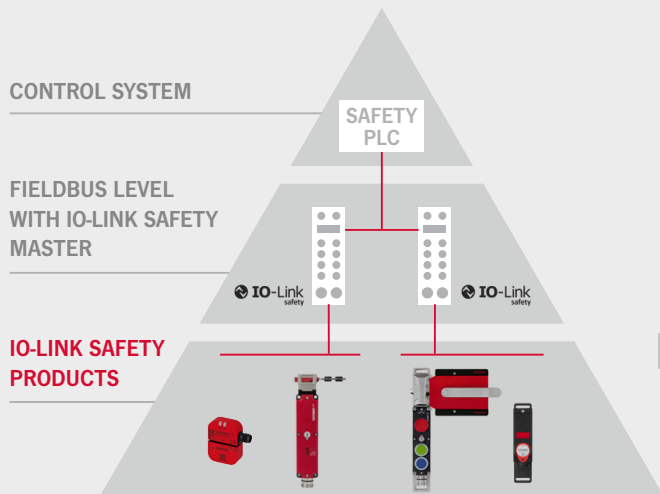
- Excellent protection against tampering due to high coding level in compliance with ISO 14119
- Wear-free operation with RFID technology
- Robust guard locking systems with high locking force
- Integrated safety door systems with integrated control elements to form an all-in-one solution
- Extensive range of accessories for customization

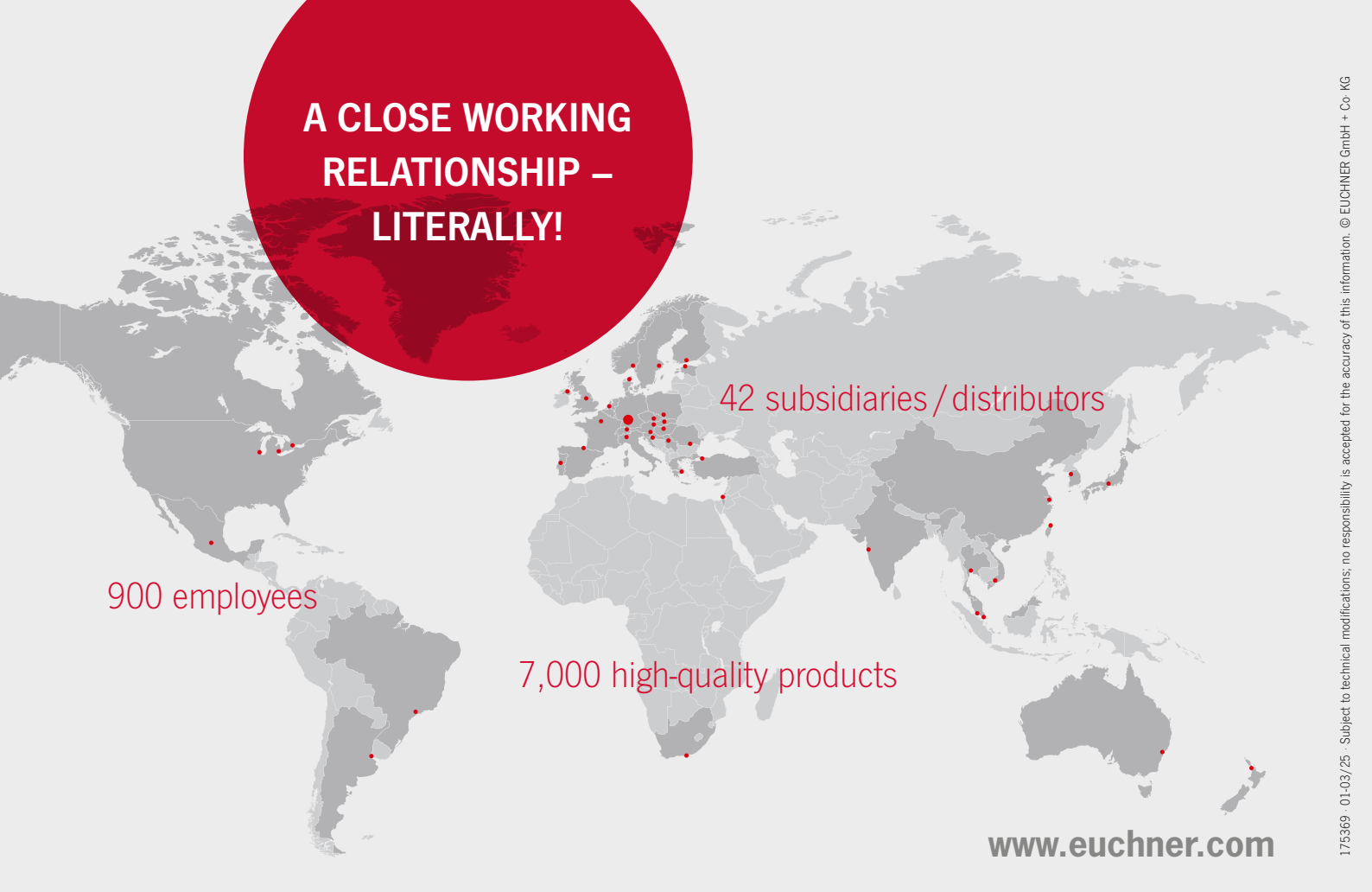
WHY CHOOSE EUCHNER SAFETY SWITCHES WITH IO-LINK SAFETY?

EUCHNER has combined its proven, robust safety components with the benefits of safe communication via IO-Link Safety.

BENEFITS FOR YOU:

- Safe identification and transmission of actuator IDs and key data (SIL3 / PL e)
- Standardized interface for switches, guard locking and safety door systems
- Reduction in planning and installation effort
- Fewer switch variants as a result of the flexible adjustment of the coding level via the IO-Link setup
- Simple device replacement
- Detailed status and fault diagnostics in real time





A CLOSE WORKING
RELATIONSHIP –
LITERALLY!

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