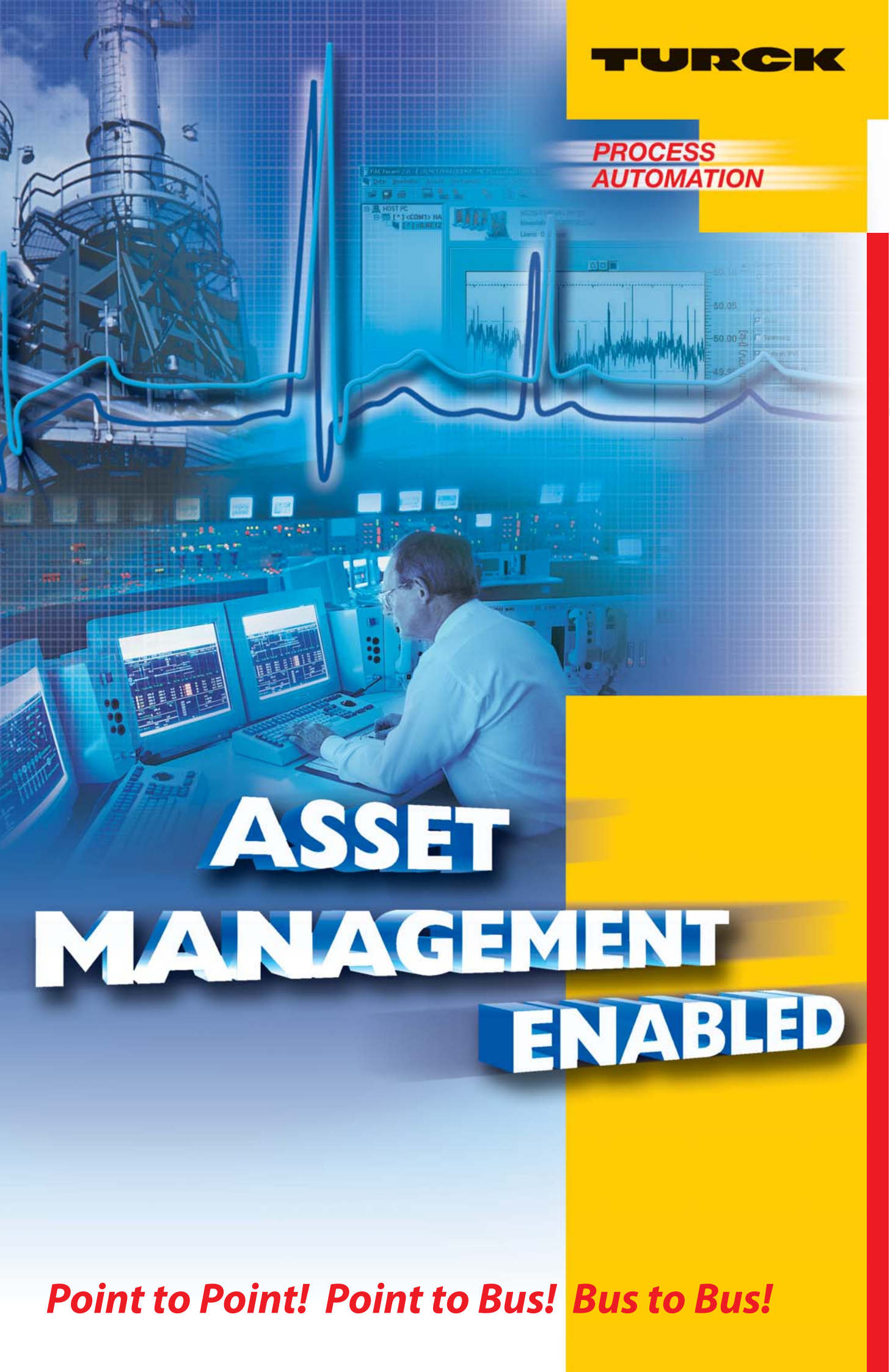




TURCK

**PROCESS
AUTOMATION**

ASSET MANAGEMENT ENABLED

Point to Point! Point to Bus! Bus to Bus!

ASSET

Open solutions with dual sensors represent an alternative to modular housings with complex mechanics. The advantages are compact housing, optimised connectivity and simple mounting. TURCK offers a broad ranged product portfolio of dual sensors meeting the different requirements of the market.

Point to Point!

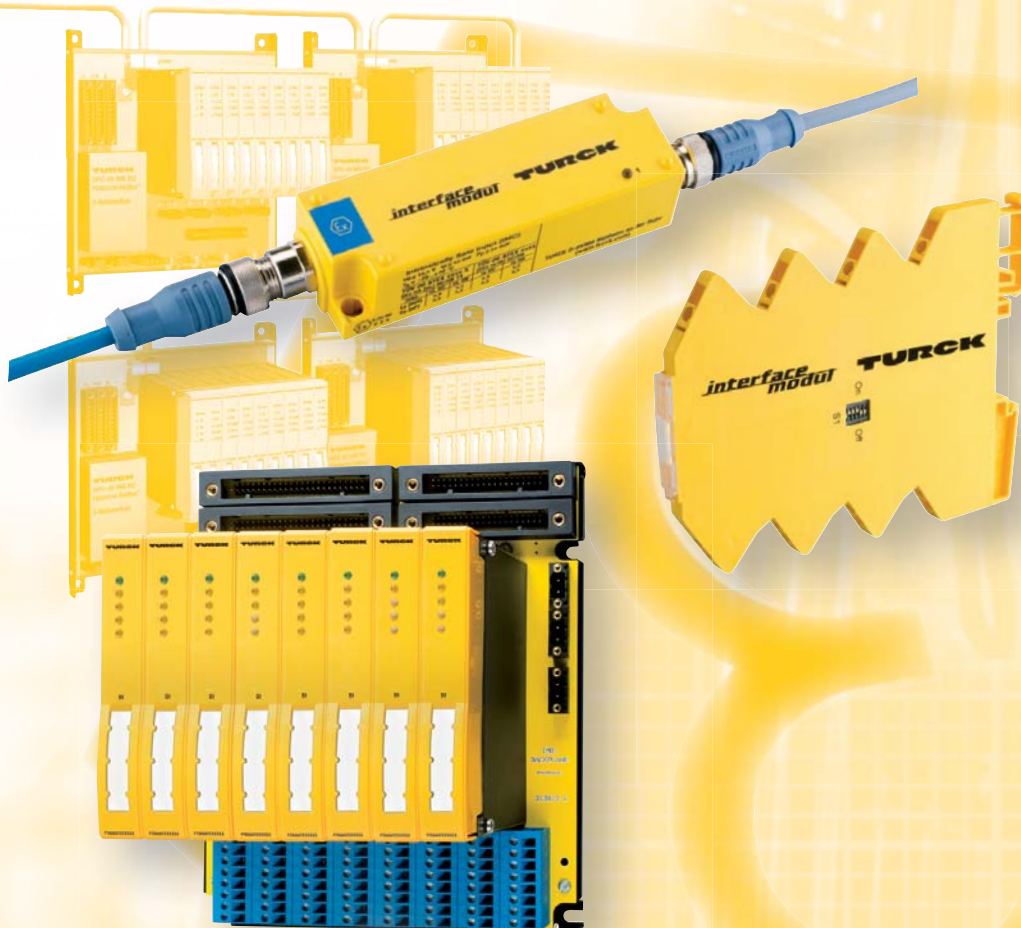
TURCK's product range of interface technology comprises a large variety of devices for isolation, conversion, processing and conditioning of analog signals.

Special Features:

- Universal power supply for world wide application
- Simple connection and exchange via removable terminal blocks
- Parameterisation, configuration and visualisation via FDT/DTM
- Standard functions explained according to SIL 2 i.e. SIL 3



- Compliant with the world wide standards like ATEX and SIL for example
- Safe protection against environmental influences and high chemical resistance
- Direct mounting on the rotary actuator
- Absolutely maintenance-free



MANAGEMENT

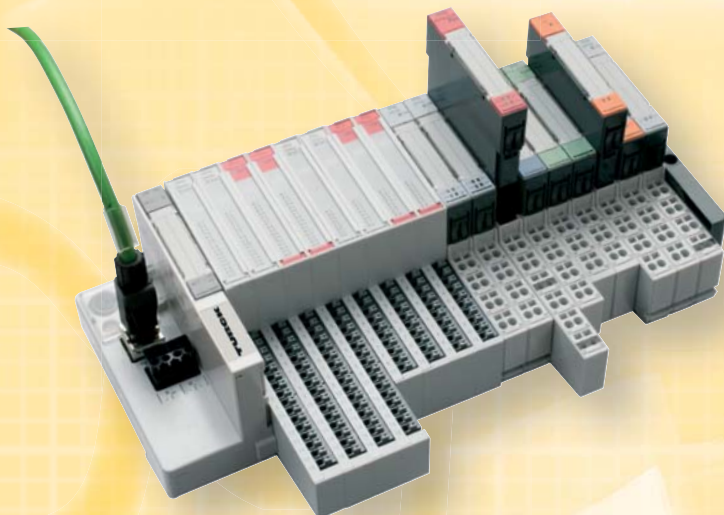
PROFI PROCESS FIELD BUS BUS



Point to Bus!

The different fields of industrial application require Remote I/Os with special features and protocols. The extensive diagnostics of the remote stations are transferred via different normed protocols.

- Hardware and communication redundancy
- PROFIBUS-DP, PROFINET, Modbus TCP/IP and Ethernet/IP™
- Hot swap of all modules
- Parameterisation, configuration and display of diagnostics via DTM
- Online engineering



T ENABLED

Fieldbus Foundation



The application of fieldbus technology has become standard with respect to the new installation of procedural assets. TURCK offers the complete fieldbus solution for all areas between field devices and control system including Advanced Diagnostic.

- FOUNDATION™ fieldbus Diagnostic
- 4, 6, 8 and 12 port junction box
- Housing in IP20 and IP67 with cage-clamp terminals, screw terminals, M12 and 7/8" connections
- multibarrier with complete galvanic isolation Display of diagnostic via DTM or DD



FOUNDATION™

HSE Bus to Bus!

High Speed Ethernet



TURCK

PROCESS AUTOMATION

In order to administer and analyse a large amount of data, more and more plant operators apply Asset Management Systems. Solutions like this minimise the maintenance effort, provide information about the asset condition at any time and lower the operating costs.



As a typical physical layer manufacturer, TURCK realised very early the challenge of Asset Management. Thus the product portfolio was developed according to administrable solutions concerning interface technology, intrinsically save Remote I/O and fieldbus technology.

TURCK emphasises on the aspect of transferring diagnostic information via standards to the superior Asset Management System. This way the user can retrieve information either via bus or, graphically processed, via DTM.

Company

TURCK is one of the leading companies in the field of industrial automation. The family enterprise with more than 2.800 employees in 27 countries and representatives in further 60 states, achieves a turnover of nearly 330 million euros. With more than 15.000 products of sensor, fieldbus and interface technology, TURCK offers efficient product solutions for production and process automation.

In the field of process automation TURCK sets standards time and again with the following innovative applications:
Interface solutions for isolation, transforming, processing, conversion and conditioning of binary and analog signals. Furthermore, modular Remote I/O systems applied in Ex areas and in zone 1, as well as fieldbus components.

Excellent system availability and low life cycle costs have priority concerning all new and further developments. TURCK guarantees this multifunctional standard by consequent implementation of the FDT/DTM technology as part of the product portfolio. The advantage of FDT/DTM functionality

with respect to physical layer products offers TURCK customers the opportunity to administer control technology and field devices with asset management systems. Furthermore, they will also be able to control even all components by which field devices and control systems are linked.





Service ||

Thanks to the Plug & Work philosophy and together with robust and absolutely reliable technology, TURCK products increase the productivity of systems and lower the process costs for purchase and storage.

Moreover, installation and operational reliability is achieved by effective standardisation.

A fast shipment service and a comprehensive e-support system perfectly complement the extensive TURCK programme.

The TURCK philosophy is simple yet challenging: We want our customers to run their machinery reliable and productive.



People ||||| ➔

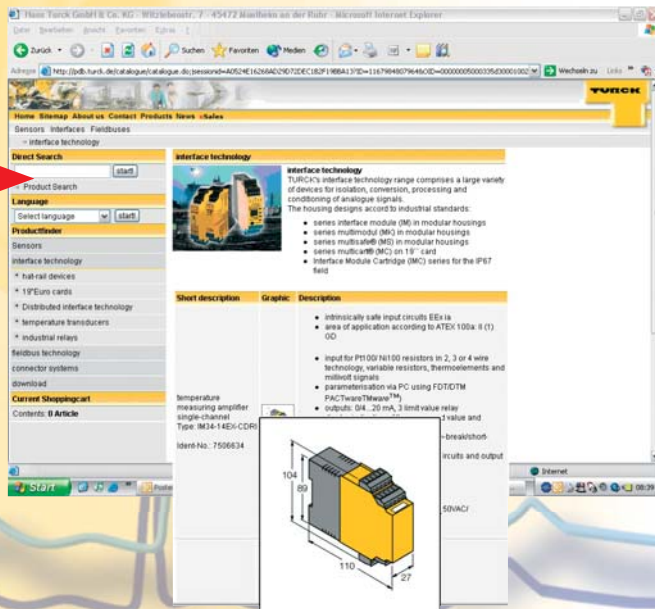
Employees are the biggest potential of successful companies. We opt for constant training because we count on highly motivated TURCK employees with the re-

quired know-how to meet the customer's requirements. Experienced trainers and product specialists mediate the correspondent knowledge in coordinated training modules. They cover topics such as the company philosophy, product information and challenging project realisations. This way we ensure that you can rely on your TURCK contact person.



TURCK

PROCESS AUTOMATION



With the product database, available on www.turck.com, TURCK offers a fast way to problem solving around the clock, seven days a week, at any place in this world and in six different languages.

Around 15.000 products, clearly structured and completely documented, are ready for you to download together with all necessary information. The clearly arranged and user-friendly website makes it easy for you to find the required information. Please have a look on: www.turck.com



www.turck.com

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