



TURCK

Industrial Automation

YOUR GLOBAL AUTOMATION PARTNER

Your Global Automation Partner!

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The Company

TURCK is one of the leading manufacturers in industrial automation. With more than 3.500 employees in 28 subsidiaries as well as sales partners in further 60 countries, we are always close to you.

As a specialist in sensor, fieldbus, connection and interface technology and also human-machine interfaces (HMI) and RFID systems, we offer efficient solution for factory and process automation. With our state-of-the-art production facilities in Germany, Switzerland, the USA, Mexico and China we, as a family-owned company, are able to react quickly and flexibly to the demands of local markets.

The Industries

No matter if applied in machine and plant construction, in the sectors of automotive, transport and handling, food and packaging or in the chemical or pharmaceutical industry, automation solutions and products by TURCK increase the availability and efficiency of your systems. Moreover, you also lower your costs for purchase, storage, installation and operational safety through effective standardization. Industry-specific knowledge, gained through intensive dialog with customers paired with electronics development and production on highest level, ensure optimal solutions for your automation tasks.



The Service

Based on 50 years of experience and extensive know-how in the field of industrial automation, we support our customers with efficient service, from a first analysis up to tailor-made solutions and commissioning of your application. We aim at enhancing the efficiency and productivity of your production processes and machines continuously. The excellent quality of our products combined with support of our specialists and fast delivery service guarantees you high system availability.

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Sense it! Connect it! Bus it! Solve it!

COLLECT PRECISELY

Inductive uprox⁺ sensors

- Highest switching distances and factor 1 for all metals
- Excellent EMC properties and magnetic-field resistance
- Many installation options



Inductive linear position and angle sensors

- Lengths 25 to 1000 mm
- Magnet-free resonator principle for failsafe detection of signals; contactless and wear-free operation
- Adjustable outputs (U/I, SSI, IO-Link, VARAN)

NAMUR sensors

- Available in many different designs, sizes and housing materials
- Inductive, capacitive and magnetic field sensors
- Ex approvals and SIL certification

Vision sensors iVu

- Compact image processing solution for inspection tasks and code reading
- Integrated or external display
- Direct teaching and operation of devices without PC

Capacitive sensors

- Compact design
- Failsafe operation
- Resistant to mechanical and chemical loads

Magnetic field sensors

- Fit on all types and brands of pneumatic cylinders
- Securely mounted
- Miniature designs

Ultrasonic sensors

- Large measuring ranges
- Rugged mechanics and front-flush diaphragm
- User-friendly thanks to Easy Teach

Photoelectric sensors

- Miniature and compact types, available in all operating modes
- Laser class 1 or 2
- Measuring and inspection tasks, personnel safety (categories 2 and 4)

Encoders

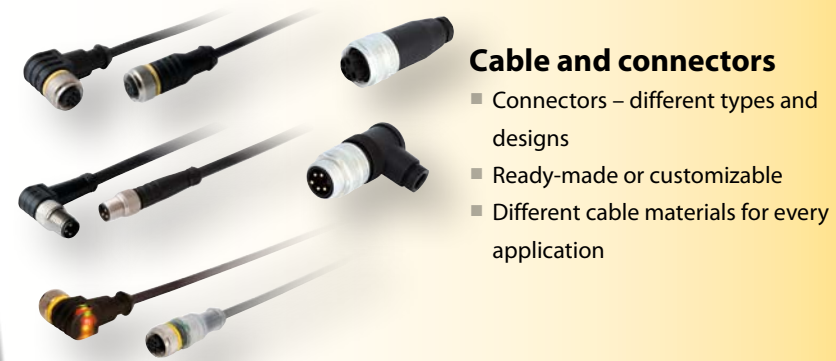
- Extensive portfolio of standard devices
- Highest accuracy and interference immunity
- QR24 devices operate contactless and wear-free

Sense it!

CONNECT RELIABLY

Cable and connectors

- Connectors – different types and designs
- Ready-made or customizable
- Different cable materials for every application



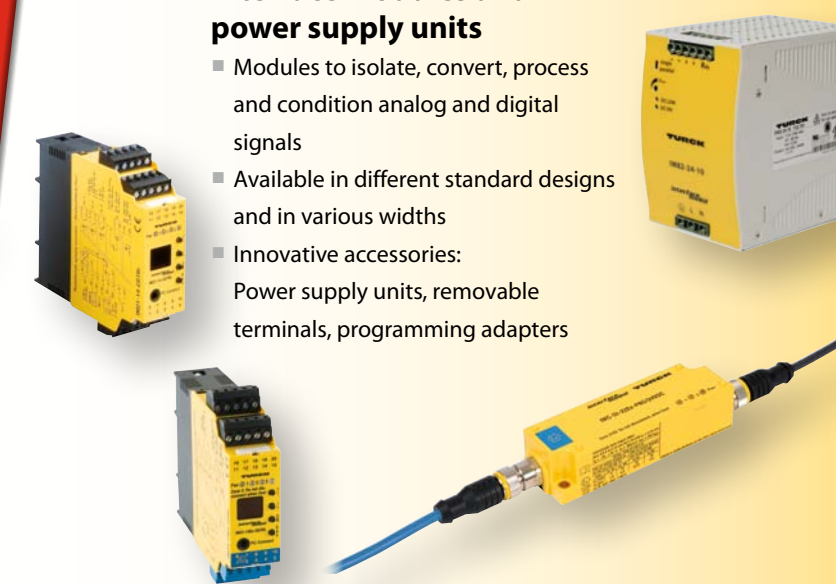
Passive junction and T-pieces

- Signal transfer and voltage distribution
- Different wirings
- Different designs



Interface modules and power supply units

- Modules to isolate, convert, process and condition analog and digital signals
- Available in different standard designs and in various widths
- Innovative accessories: Power supply units, removable terminals, programming adapters

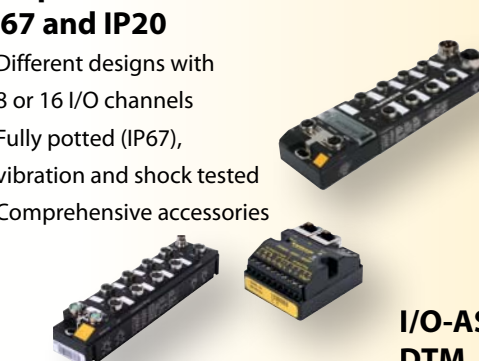


Connect it!

COMMUNICATE EFFECTIVELY

Compact I/O modules in IP67 and IP20

- Different designs with 8 or 16 I/O channels
- Fully potted (IP67), vibration and shock tested
- Comprehensive accessories



Modular I/O system BL67

- Gateways for many different field-buses and Ethernet, also available as programmable versions
- I/O modules available as: digital, analog, temperature, RS232/485/422, SSI, IO-Link, RFID, valve blocks
- Connectivity: M8, M12, M23 and 7/8"



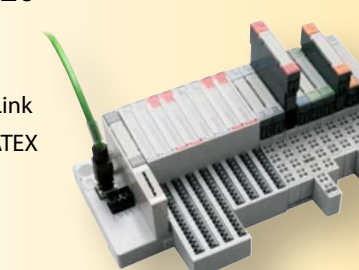
I/O-ASSISTANT with FDT/DTM

- Easy system configuration, parametrization and diagnostics via GUI
- DTM can be integrated in any FDT frame application
- Comprehensive documentation



Modular I/O system BL20

- I/O modules available as: digital, analog, temperature, RS232/485/422, SSI, RFID, IO-Link
- Approved for application in ATEX zone 2



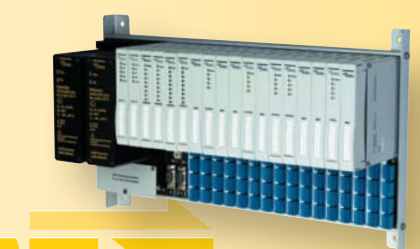
Diagnostic Power Conditioner DPC

- FOUNDATION™ fieldbus modular power supply for simple and redundant applications
- Excellent efficiency and high output power (28 V at 800 mA)
- Network diagnostic for commissioning support and long-term monitoring via FF-HSE, DTM and web interface



Remote I/O excom[®] for zones 1, 2 and non-Ex area

- High system availability through redundant communication and power supply
- Integration in conventional control systems
- FDT technology for easy operation



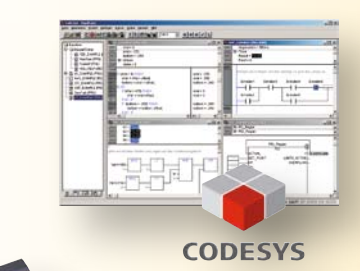
EtherCAT
EtherNet/IP
DeviceNet
PROFINET Industrial Ethernet
PROFIBUS Process Field Bus
Ethernet Modbus TCP
Bus it!

AUTOMATE EFFICIENTLY



Visual PLC solution VT

- PLC, HMI and fieldbus master
- CODESYS programmable 3, Visualization with QVIS
- Ethernet (2 x RJ45), RS232, RS485 and fieldbus connection



Peripheral control

- CODESYS programmable gateways for the I/O systems BL67 and BL20
- Modularly extendable with all available BL I/O modules
- Also usable as fieldbus or Ethernet slave



Image processing systems

- Intelligent camera systems for numerous fields of application
- Integrated or external processing unit, IP68 rated types
- Standard and special lighting in all variances



Compact LED signal indication

- Durable LED technology, made for continuous use 100,000 h (11 years)
- Insensitive to shock, impact, vibration and EMI
- IP67 rated, water and oil-tight, for direct installation in the system



Pick-to-Light system

- Optical user guidance for manual installation and commissioning processes
- Contactless pick-up alert
- Easy integration into systems via BL20 and BL67 I/O systems



RFID-System BL ident[®]

- Flexible integration into systems, thanks to the modular concept based on the I/O systems BL67, BL20 and BL compact
- Many application possibilities thanks to mixed HF and UHF operation
- Application-optimized data carriers and read/write heads, also for use in Ex areas



Wireless system DX

- Flexible network modules for radio transmission of sensor signals
- Point-to-Point connection, star topology, multi-hop repeater network
- Configuration software



IO-Link

- Fieldbus-neutral communication standard for sensors and actuators
- Easy configuration of devices via control system or FDT/DTM
- IO-Link sensors, I/O Hubs and masters available in various housing style



IO-Link

Solve it!