

piconet® - MODULAR FIELDBUS I/O SYSTEM IN IP67

Bitte senden Sie mir Unterlagen:

Sensortechnik

- Induktive Sensoren
- Induktive Sensoren – *uprox®+*
- Induktive Sensoren für Schwenkantriebe
- Magnetfeldsensoren
- Opto-Sensoren
- Geräte für den Personenschutz
- Kapazitive Sensoren
- Ultraschallsensoren
- Strömungssensoren
- Drucksensoren
- Füllstandssensoren *levelprox®*
- Temperatursensoren
- Linearwegsensoren
- Drehwegsensoren
- Steckverbinder
- CD-ROM Sensortechnik

Interfacetechnik

- Interfacetechnik im Aufbaugehäuse für Hutschiene (DIN 50022), Platten- oder Bodenmontage
- Interfacetechnik auf 19"-Karte für Baugruppenträger (DIN 41494)
- CD-ROM Interfacetechnik
- Miniaturrelais, Industrirelais, Zeitwürfel, Sockel
- Zeit- und Überwachungsrelais
- Ex-Schutz – Grundlagen für die Praxis (Übersichtsposter)

Feldbustechnik

- Kompakte Feldbuskomponenten PROFIBUS-DP/DeviceNet™/Ethernet
- piconet®* – modulares Feldbus-I/O-System in IP67
- BL67 – modulares Feldbus-I/O-System in IP67
- BL20 – modulares Feldbus-I/O-System in IP20
- Remote-I/O-System *excom®*
- Segmentkoppler
- FOUNDATION™ fieldbus-Feldbuskomponenten
- PROFIBUS-PA-Feldbuskomponenten
- Multibarriere
- Feldbussystem *sensoplex®2/2Ex*

Please send me more information:

Sensors

- Inductive sensors
- Inductive sensors – *uprox®+*
- Inductive sensors for rotary actuators
- Magnetic-field sensors
- Photoelectric sensors
- Machine safety equipment
- Capacitive sensors
- Ultrasonic sensors
- Flow sensors
- Pressure sensors
- Level sensors *levelprox®*
- Temperature sensors
- Linear position sensors
- Rotary position sensors
- Connectors
- CD-ROM Sensors

Interface technology

- Devices in modular housings for top-hat rail (DIN 50022) or panel mounting
- Devices on 19" card for DIN-rail mounting (DIN 41494)
- CD-ROM Interface technology
- Miniature relays, industrial relays, time cubes, sockets
- Programmable relays and timers
- Explosion protection – basics for practical application (overview poster)

Fieldbus technology

- Compact fieldbus components PROFIBUS-DP/DeviceNet™/Ethernet
- piconet®* – modular fieldbus I/O-system in IP67
- BL67 – modular fieldbus I/O-system in IP67
- BL20 – modular fieldbus I/O-system in IP20
- Remote I/O-system *excom®*
- Segment coupler
- FOUNDATION™ fieldbus fieldbus components
- PROFIBUS-PA fieldbus components
- Multibarrier
- Fieldbus system *sensoplex®2/2Ex*

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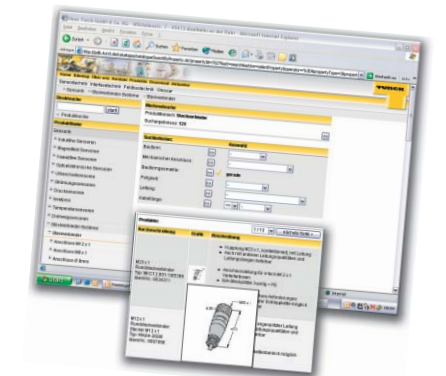
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Die TURCK-Produktdatenbank im World Wide Web

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piconet® - INDIVIDUALLY CONFIGURABLE PERFORMANCE PLUS A COMPACT STRUCTURE

piconet®, the series of miniaturised fieldbus modules meets the highest industrial standards, even though the stations are extremely small.

The fully encapsulated modules may be integrated directly in the machine or the system without additional precautionary measures.

Whether as stand-alone or coupling module with fibre-optic subnet and inexpensive extension modules: the flexible *piconet®* modules provide almost unlimited application possibilities.

piconet® – fibre-optic and power bridges

- Compact mounting
- Reduced space requirements
- Simplified installation
- Protection degree IP67

In contrast to the challenge of implementing widely distributed installations, many applications require detection, processing and display of signals under the most limited space conditions. The new *piconet®* fibre-optic and power bridges enable to reduce the space requirements of the *piconet®* I/O system even further. The flexible bridge construction allows a variable spacing between the housings of 0...6 mm. Based on the simplified installation method, mounting times and associated costs are also reduced.



DeviceNet

CANopen



Modbus TCP

Open to future bus technologies

- The gateway concept is open to different bus technologies
- Gateways for all major fieldbus systems such as PROFIBUS-DP, DeviceNet™, CANopen, INTERBUS and Ethernet Modbus TCP etc.
- The extension modules do not depend on the higher level fieldbus

Economical decentralisation

- The coupling module interconnects the higher level open fieldbus and the extensions
- The fibre optic subnet "IP Link" connects up to 120 extension modules via a single coupling module
- High-speed transmission, i.e. 1,000 I/Os in approx. 1 ms via interference-immune and premoulded fibre-optics
- Fibre-optic cable length between two IP-Link nodes up to 15 m

Compact and robust housings

- Only 26.5 mm high, 30 mm wide and 210, 175 or 126 mm long
- Fully encapsulated IP67 housing
- Suited for direct use on the machine
- Ideal for serial and special machine engineering as well as for diverse field applications

A secure connection

- M8 x 1, M12 x 1, M23 x 1
- Premoulded bus, fibre-optic, power and I/O cables
- Field-wireable connectors
- Additional networking components such as tees, terminating resistors etc.

Fieldbus connection: with or without integrated bus-tee

piconet® coupling module: Gateway between open fieldbus (e.g. PROFIBUS-DP, DeviceNet™, CANopen, INTERBUS, Ethernet Modbus TCP) and the fibre-optic sub-bus "IP-Link"

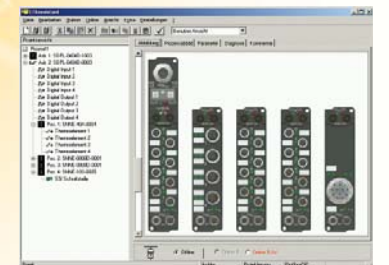
piconet® fibre-optic bridge – SFOB-0001 / 6603817

Marking labels

Flexible and proven I/O connection technology in M8 x 1, M12 x 1 and M23 x 1

Fibre-optic based subnet "IP-Link" (Ring topology) *piconet®* fibre-optic bridge SFOB-0001 / 6603817

Simple configuration with the I/O-ASSISTANT



- Convenient software tool
- Selection of the required modules
- Off-line planning and configuration of *piconet®* modules
- Configuration, parameterisation and set-up of individual modules
- Reading and setting of process data
- Set-up aid for testing the wiring and sensor level without a PLC
- Realistic display of configured *piconet®* I/O components
- Automatic documentation of configured *piconet®* systems



Bus addressing switch & service interface to I/O-ASSISTANT software

Bus LEDs

Module/ IP-Link LEDs

Mounting via two through-holes

piconet® power bridge – IPSB-0001 / 8030976

piconet® extension modules

Power supply M8 x 1, optional feed-through to next node *piconet®* power bridge – IPSB-0001 / 8030976



Power LEDs

High current module Σ 12 A with 2 x M8 connectors