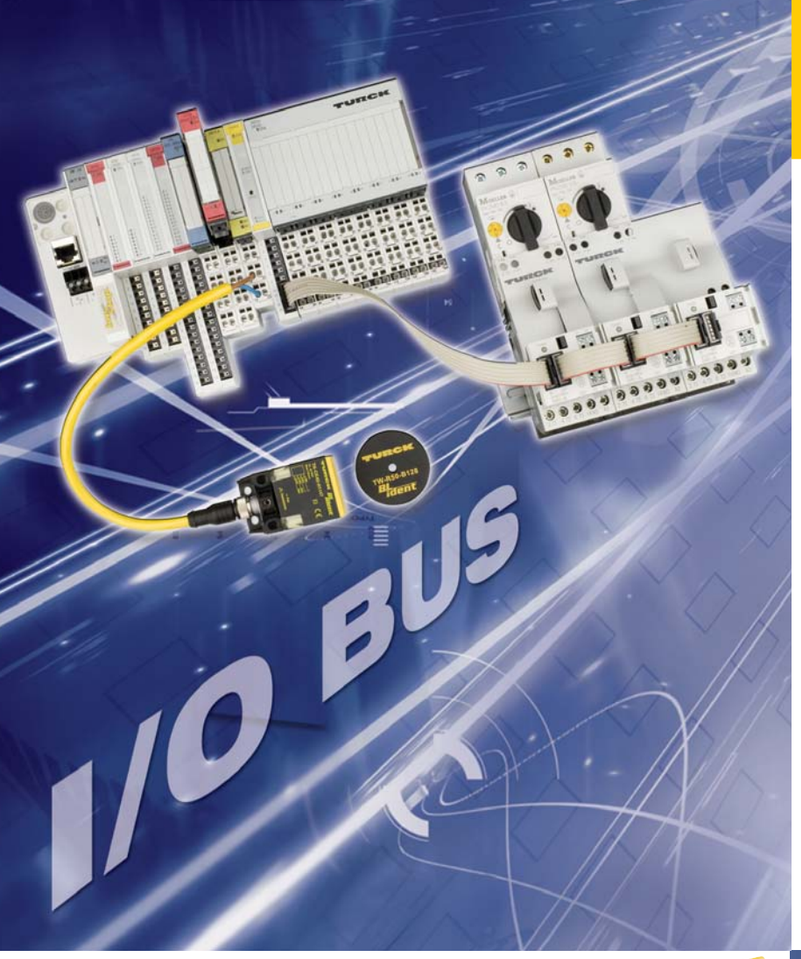

TURCK

Industrial Automation

BL20 – MODULAR I/O BUS TERMINAL SYSTEM

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

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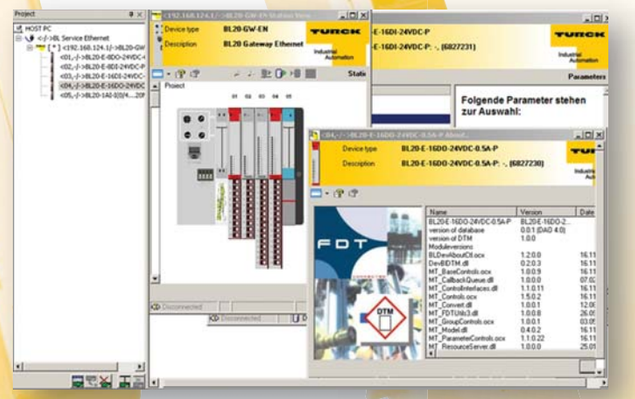
Industrial Automation

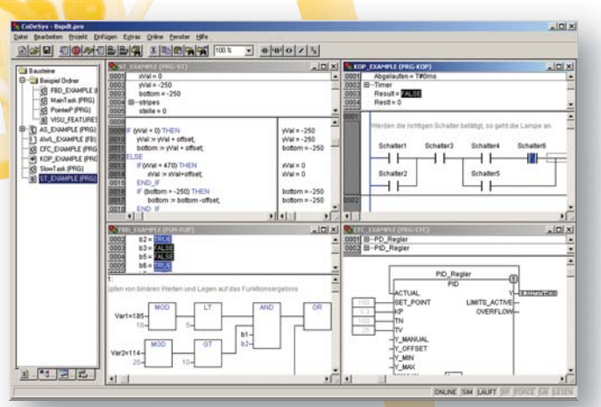
Simple parameterisation via DTM
System parameterisation is implemented via a graphical interface on the basis of FDT/DTM technology. On **www.turck.com** DTMs are free for download and can be integrated in any FDT frame application for configuration, commissioning and maintenance purposes.



Easy programming with CoDeSys
The programmable gateways become decentral control units through the CoDeSys programming software. The graphical programming interface supports all IEC-61131-3 programming languages:

- Statement list (STL)
- Ladder Diagram (LD)
- Continuous Function Chart (CFC)
- Structured Text (ST)

Numerous diagnostics and commissioning functions as well as prefabricated function blocks for the RFID system *BL ident* for example, make BL20 a universally applicable I/O system.



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BL20 I/O-SYSTEM

– the integrator for fieldbus, ident-systems, motor starters...

Gateway – The system control
- The interface to the higher level control system
- Gateways e.g. for PROFIBUS-DP, CANopen, DeviceNet™, Ethernet/IP and Modbus TCP – also available as economy version

Optional – CoDeSys programmable according to IEC 61131
- Relieves higher-level controller and bus system
- I/O modules independent of the fieldbus
- Prefabricated function blocks e.g. for the RFID system *BL ident*

Standard I/O – multifunctional and system friendly
- Exchangeable electronic modules – disconnection of field wiring is not necessary.
- Up to two neighbouring modules are exchangeable during normal system operation without disrupting system functions
- Single or block modules with screw or cage clamp terminals

Motor starter
- 3 connection-slices per gateway
- Up to 16 devices per slice
- Simple wiring

Economy I/O – extremely compact and competitively priced
- 8 or 16 I/Os in only 12,5 mm
- Integrated connection level with „Push-in“ tension spring technology, no tools necessary
- Economy I/Os combinable with standard I/O slices

***BL ident,* the RFID system**
- Up to 8 RFID channels
- Pre-processing in programmable gateway relieves the higher-level controller

EtherNet/IP™ PROFINET INDUSTRIAL ETHERNET CANopen DeviceNet™ PROFIBUS PROCESS FIELD BUS Modbus TCP