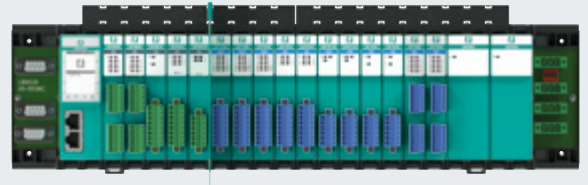


Ready for Tomorrow's Challenges.

LB Remote I/O for Zone 2



Bridging Classic Interfaces to the IIoT in Process Industries



System Attributes

- Can be exchanged under power and voltage (hot swap)
- Permanently self monitoring
- Simulation mode for service operations (forcing)
- Ambient temperature -40 °C ... +60 °C (-40 °F ... +140 °F)
- 80 analog or 184 digital channels

System Wide Properties

- Inputs with plug-in terminals and line fault detection

Com Units

Interface between the I/O modules and the PCS/PLC and non-volatile memory for configuration and parameter settings.

PROFIBUS/MODBUS



- Communication via PROFIBUS DP/MODBUS
- Configuration via FDT 1.2 DTM
- Application and line redundancy

PROFINET



- Communication via PROFINET
- MRP and S2 redundancy

Universal Input/Output



- 4-channel
- Inputs with plug-in terminals and Line fault detection are system wide properties

Analog Input and Output



Input

- 1- or 4-channel
- 1 or 2 occupied slots
- Power supply for 2-wire, 3-wire, 4-wire transmitter
- Flow, level and temperature converter

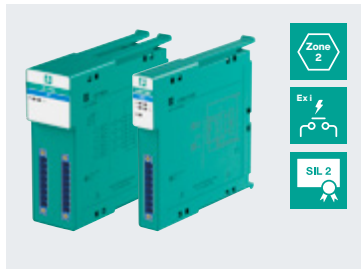
Output

- 1- or 4-channel
- 1 or 2 occupied slots
- I/P converters
- Proportional valve
- On-site display
- Bus-independent safety shutdown

Your automation, our passion.

 **PEPPERL+FUCHS**

Digital Input and Output



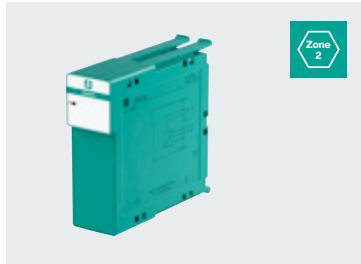
Input

- 8-channel
- 2 occupied slots
- Dry contact or NAMUR inputs
- On/off delay

Output

- 2- or 4-channel
- 1 or 2 occupied slots
- Output logic selectable
- Bus-independent safety shutdown

Power Supply

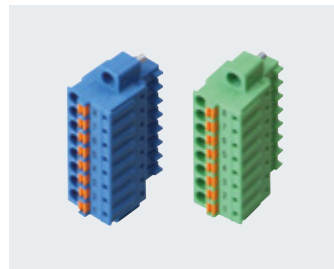


- Input voltage 24 V DC or 230 V AC

Accessories



The **field unit enclosures** ensure protection of all electronic components from harsh ambient conditions. GRP and electropolished stainless steel are available as enclosure materials.



Terminal blocks are selectable in the form of screw terminals, front screw terminals, or spring terminals.



The **place holder module** enables pre-wiring of space filled circuits.



The **separation wall** ensures clearance between intrinsically safe and not intrinsically safe I/Os and allows mixing of those signals.

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High Flexibility with Dynamic Reconfiguration

With the help of dynamic reconfiguration, the PROFINET LB and FB remote I/O systems from Pepperl+Fuchs not only allow to change the settings of field devices. They even extend this concept to the pluggable I/O modules, which can also be freely configured regarding signal type and number. This offers maximum flexibility and reduced effort and time, for example when replacing a module.



Shared Device—Manage up to 184 In- or Outputs

The remote I/O is also a shared device for multiple controllers and systems. Via the engineering, up to 184 inputs or outputs can be configured and assigned to any controller on one LB or FB remote I/O station. Thus users can reduce instruments, piping, wiring and the number of control cabinets significantly.

More information

pepperl-fuchs.com/tx-RIO

