



**Inductive Sensors**  
with IO-Link Interface

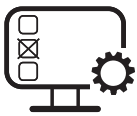
# IO-Link

## Benefits and features

IO-Link is the first international and manufacturer-independent standardised (IEC61131-9) communication interface that enables consistent communication from the sensor to the PLC.

A point-to-point connection enables not only the transmission of the switching signal, but also parameter, diagnostic, and communication data.

### Flexible programming and monitoring



- Sensor output configurable as NO or NC
- Flexible teach-in of the switch-on and switch-off point up to the maximum switching distance of the sensor
- Monitoring of the operating hours and counting of the switching operations since starting the system

### Simple commissioning and fast maintenance



- Simple integration into existing connection structures
- No high wiring costs due to use of M8 and M12 standard plug connections and unshielded 3-wire standard cables

### Spare parts stock



- Reduction of spare stock due to fast configuration of standard sensors
- Flexible use via SIO and IO-Link mode

### Manufacturer and fieldbus independent



- Fieldbus-independent via appropriate IO-Link master
- The standardisation enables manufacturer-independent integration

### Self-diagnosis



- Wire breakage or short-circuit are immediately detected by the master
- Critical internal voltages are detected in IO-Link mode







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