

Position sensors

- Inductive sensors
- Photoelectric sensors
- Capacitive sensors
- Magnetic sensors
- Ultrasonic sensors
- Valve sensors
- Cylinder sensors



- High-quality sensors for different applications.
- Excellent price/performance ratio.
- Versions for the use in hygienic applications.
- LED display to check operation, switching status & function.
- Extensive range of system components for easy & secure mounting Wide operating temperature range.
- High protection rating for the requirements of harsh industrial environments.
- Reliable detection due to low sensor tolerances.
- Reduced storage due to wide range of applications.

Sensors for motion control

- Encoders

- Compact and robust housing
- Designs to proven industrial standard
- Cable entry for axial and radial use
- Versions with integrated fieldbus interface
- Hollow shaft encoder for direct mounting on actuators



- Inclination sensors

- Static and dynamic versions
- Angular ranges up to 360° available
- Versions with 1 or 2 axes
- Different designs with very high protection rating (up to IP 69K)
- Depending on the sensor type, signal output via different interfaces



- Speed sensors

- 2 in 1 speed sensor and evaluation in one compact housing
- Particularly space-saving design
- Inductive or magnetic sensor principle
- Flexible combination of housings, connections and output





Industrial imaging

2D Vision sensors

- Easy integration in the application
- Compact and robust housing
- for use as a stand-alone device
- Intuitive, user-friendly handling

3D Vision sensors

- Up to 38500 distance values per measurement for a detailed assessment of the application
- Different output functions configurable
- Visual assessment of distance, level or volume
- Predefined function blocks
- Reliable function due to time-of-flight measurement



Process sensors

- Level sensors

- High reliability due to the elimination of mechanical components
- Different function principles: Guided wave radar, capacitive and hydrostatic
- Devices for limit level detection or continuous level measurement
- Clearly visible LED display
- Suitable for all common industrial and process fluids



- Pressure sensors / Vacuum sensors

- Sensors and transmitters with integrated evaluation
- Specially for the use in hygienic applications
- Excellent overload protection and long-term stability
- Measuring ranges of -1...600 bar
- Variable process connection using adap



- Flow sensors / flow meters

- For liquids and gases
- Versions for the use in hygienic applications
- Variable process connection using adapters





Identification systems

RFID

- Wide range of interfaces for RFID evaluation units
- Robust antennas and ID tags with long writing / reading distance

Optical identification

- Orientation-independent reading of 1D and 2D codes
- Recognition of more than 20 different code types
- Integrated code comparator system in the sensor
- For adjusting and monitoring vision sensors
- Ultra-flat or circular illumination units



Power supplies

24 V DC power supplies

- Particularly space-saving design
- Low heating of the control cabinet
- High power reserves
- Safe switch-off by circuit breakers in case of short circuit
- Low inrush current

Fuses

- For the permanent monitoring of the 24 V secondary circuit.
- Reliable switch-off in case of a fault.
- Modular and selective protection of machinery and plant.
- Clearly visible LED for indicating capacity utilisation, tripping and operation.
- Simple side-by-side installation due to



IO link

IO-Link master

- For connection of up to eight IO-Link devices.
- Reliable transmission of machine data, process parameters & diagnostic data to the controller.
- Simultaneous data exchange with the controller and the IT world.
- Units for field applications and control cabinets with integrated fieldbus interface.

IO-Link modules

- For the simple connection of binary sensors to any IO-Link master.
- Data and energy transmission also possible with unscreened connection cable.
- Clearly visible LEDs for displaying operation, switching status and error.
- Robust design with full potting for use in harsh industrial environments.
- Robust M12 connectors for connecting sensors and actuators.