PICK-TO-LIGHT

COMPLETE SOLUTIONS FOR VISUAL PROCESS MANAGEMENT

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

Pick-to-Light: Complete solutions for visual process management

Pick-to-Light solutions from TURCK are based on IP67 components to allow robust, fast and error-free installation without the need for a control cabinet. The plug-and-play qualities inherent to an IP67 solution result in reduced installation times coupled with an almost 100 % error-free installation with drastically reduced labour costs. Solutions using IP20 components are also available on request.

Due to a modular hardware and software approach, tailor-made complete solutions can be readily and cost-effectively realised to our customers' requirements. Our experience in this field and our ability to provide one-stop shopping for the complete solution ensure that all components interoperate perfectly.

IP67
DEGREE OF PROTECTION

SERVICE
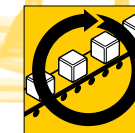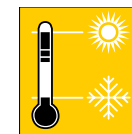
TEACH

Pick-to-Light functionality
- Control the picking/production sequence
- Change the sequence via e.g. RFID or database
- Manual teaching of sequences
- Wireless connections to comissioning trolleys and other mobile objects
- Error handling and documentation
- Optional HMI for visual feedback, configuration and information
- Authorisation/clearance using RFID, barcode, HMI…
- Restocking etc. using barcodes, RFID…

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**Your Global
Automation Partner**

TURCK Pick-to-Light: Complete solutions for industrial assembly and picking applications

TURCK Pick-to-Light solutions provide operators with a visual indication of the required part in an assembly sequence. Actions (correct or false) are indicated by means of lights and optional audible signals. Completed operations can either be automatically or manually acknowledged.

All components in TURCK Pick-to-Light systems are perfectly matched ensuring quick and reliable installation and maintenance.

Process optimisation

Visual process management opens up manifold possibilities for process improvement:

- Improved flexibility; personnel require next to no training
- Improved and repeatable process quality
- Quality management/control by means of process logging
- Interfaces to warehouse control, ERP-systems…
- Drastically reduced installation, commissioning and maintenance times
- Virtually 100 % error free installation

Operator/maintenance interface (HMI)

- Information
- Control
- Setup

Control and interface

- CODESYS programming environment
- Interfaces to Ethernet and fieldbus
- Collects and processes all signals
- Industry standard connectors
- Robust, IP67 (IP20 also available)

Wireless communication

- For mobile rack/trolley applications
- Can allow battery power to avoid trailing cables
- Secure wireless connections
- Flexible topologies

Connection technology

- Ready-made and field-wireable
- Ethernet switches
- Connection accessories
- Splitter systems

Indicators/sensors

- Low power requirements (LED)
- With/Without acknowledge function
- Optical switch
- Capacitive switch
- Mechanical switch

Light curtains

- Ideal for larger inspection areas
- Most reliable detection
- Automatic setup and adjustment
- Visible beams and alignment

Infrastructure

- LED indicators
- Work lights
- Power supplies
- Barcode readers
- RFID

Mounting and protection accessories

- For profile or 28 mm tubing
- Protective housings

Operate & Control

Industrial displays and programmable controllers offer complete Pick-to-Light functionality. The rugged controller can be mounted without the need for a control cabinet.

Connect & Transfer

TURCK offers a wide range of components to implement connection to higher level control systems (ERP etc.) and plant I/O. Industrial wireless components are also available to reduce cabling costs.

Display & Acknowledge

TURCK's extremely varied range of indicators and sensors guarantees that the right device for the job in hand is available

Install & Extend

An elaborate range of mounting accessories and protective housings ensures quick and cost-effective installation and asset protection.