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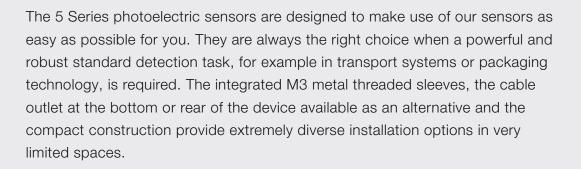
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the sensor people

## 5 Series -

Photoelectric sensors and light scanners designed especially for standard detection tasks

### High performance, compact housing.



On scanners the innovative teach button for optimum adaptation of the sensitivity reinforces this simple concept.

#### **Best service**

- Convenient online product selector for easy comparison and selection of the right product using technical features
- Global production concept guarantees worldwide availability of products, even on short notice
- **Global price guarantee** increases planning security in worldwide markets
- Competent customer service center and technical support aid in the selection of suitable products and the right implementation

### **Very simple operation**

- Large brightVision<sup>®</sup> light spot without blind area for easy alignment and reliable detection of even the smallest objects
- Bright yellow/green LED status display for easy function state check
- A<sup>2</sup>LS active suppression of extraneous light for reliable detection and low susceptibility to ambient and stray light
- Integrated teach button for easy and convenient sensitivity adjustment



### **Flexible integration options**

- Sturdy, warp-resistant, plastic housing in IP 67 for sensor use even in rough industrial environments
- Two complementary switching outputs for either light or dark switching operation
- Innovative fastening concepts for flexible mounting and easy alignment
- Large temperature range from -40 to +60 °C makes possible a broad range of applications

### **Reliable object detection**

in standard applications.



# Throughbeam photoelectric sensor - L5

Light source	highly visible red light
Operating range limit	015 m
Switching frequency	500 Hz

- High performance reserve enables reliable detection even in extreme situations and reduces the risk of a system standstill
- Simple alignment by means of optimized beam geometry
- Simple detection of flat objects
- Transmitter deactivation for testing and networking



# Retro-reflective photoelectric sensor – PRK5

Light source	highly visible red light
Operating range limit	0.026.0 m
Switching frequency	500 Hz

- Homogeneous light spot for safe switching behavior and easy alignment
- Safe suppression of direct reflection due to polarization filter
- Warp-resistant housing with reliably strong mount prevents depolarization effects





# Universal, robust and **versatile**.



## Reflection light scanner – ET5, energetic

Light source	highly visible red light
Operating range limit	0.031.0 m
Switching frequency	500 Hz

- High performance reserves ensure reliable detection
- Simple alignment by means of optimized beam geometry
- Optimum adaptation with teach button and 2 levels (object or background)

# Reflection light scanner – FT5, with fading

Light source	highly visible red light
Operating range limit	0.030.25 m
Switching frequency	500 Hz

- Homogeneous light spot for safe switching behavior and easy alignment
- High sensitivity for precise switching behavior
- Optimum adaptation with teach button and 2 levels (object or background)





### Very easy integration and alignment.

#### brightVision® light spot

The bright, full surface light spot without blind area allows simple alignment and reliable detection of even the smallest objects.





#### Cable outlets

Integration even in extremely limited installation spaces thanks to flexible cable outlet at the bottom or rear of the device.

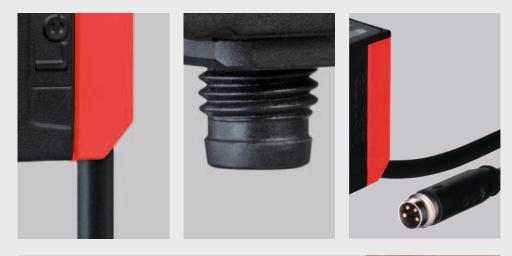


#### Robust mounting

Metal threads integrated into the sensor housing enable quick mounting even in extremely limited installation spaces and do not give out even with high tightening torques.



Versatile selection of connections available: Cable, M8, M12 Pigtail



# Extremely user-friendly with one-point teach feature.

Teach-in for similar objects: Press teach button for approx. 2 sec. – LEDs flash together. Teach-in, when background is darker than object: Press teach button for approx. 7 sec. – LEDs flash alternately.



#### Selection of mounting devices ensures comprehensive mounting possibilities:

BTP 200M: Sensor protective covers for rod mounting BTU 200M: Sensor mounting brackets for rod mounting BT 200M.5: Sensor mounting bracket



BTP 200M

TO:

BTU 200M



BT 200M.5

#### **Switching Sensors**

Optical Sensors Ultrasonic Sensors Fiber Optic Sensors Inductive Switches Forked Sensors Light Curtains Special Sensors

#### **Measuring Sensors**

Distance Sensors Sensors for Positioning 3D Sensors Light Curtains Forked Sensors

#### Products for Safety at Work

Optoelectronic Safety Sensors Safe Locking Devices and Switches Safe Control Components Machine Safety Services

#### Identification

Bar Code Identification 2D-Code Identification RF Identification

#### Data Transmission/

Control Components MA Modular Interfacing Units Data Transmission Safe Control Components

Industrial Image Processing Light-Section Sensors Smart Camera

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