







# **Model Number**

# ML4.2-P-20m-LAS/40b/76a/95/110

Thru-beam sensor with 4-pin, M8 x 1 connector

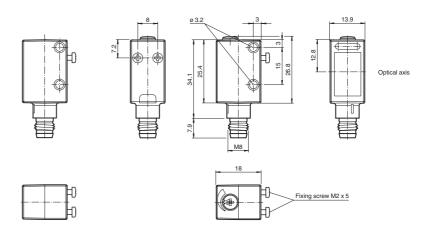
## **Features**

- Miniature design
- Small light beam diameter for detection of small parts
- Very short response time
- Red laser as the light emitter
- Test input
- Not sensitive to ambient light, even with switched energy saving lamps
- Protected against mutual interference (no cross-talk)
- Metal-reinforced fastening holes

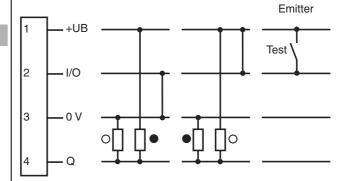
## **Dimensions**

Transmitter





## **Electrical connection**

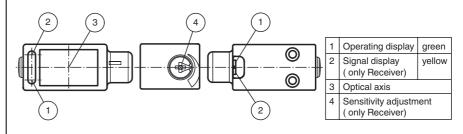


- O = Light on
- = Dark on

## **Pinout**



# Indicators/operating means



### **Accessories**

#### OMH-4.1

Mounting Clamp

#### OMH-ML6

Mounting bracket

### OMH-ML6-U

Mounting bracket

#### OMH-ML6-Z

Mounting bracket

### OMH-11-02 Aperture-V-H 0.5 mm

Slit diaphragm can be affixed for detecting very small parts

### OMH-11-04 Aperture-V-H 1.0 mm

Slit diaphragm can be affixed for detecting very small parts

### OMH-11-06 Aperture-V-H 1.5 mm

Slit diaphragm can be affixed for detecting very small parts

## OMH-11-08 Aperture-V-H 2.0 mm

Slit diaphragm can be affixed for detecting very small parts

#### V31-GM-2M-PVC

M8, 4-pin socket, PVC cable

### V31-WM-2M-PVC

M8, 4-pin socket, PVC cable

### V31-GM-5M-PUR

4-pin, M8 socket, PUR cable

## V31-WM-5M-PUR

4-pin, M8 socket, PUR cable

Other suitable accessories can be found at www.pepperl-fuchs.com

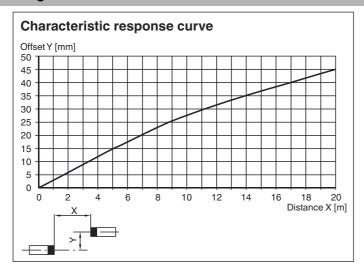
CE conformity UL approval

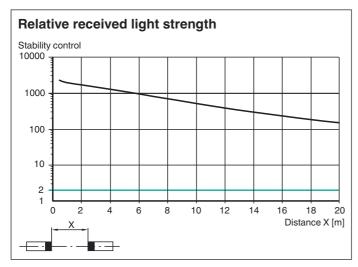
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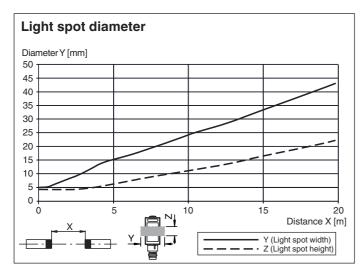
CCC approval

CCC approval / marking not required for products rated ≤36 V

# **Curves/Diagrams**



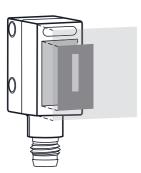


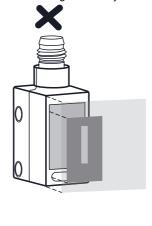


# **Aperture alignment**

When attaching the aperture, make sure that the sensor lens is aligned exactly with the black aperture.







### Laser notice laser class 1

- The irradiation can lead to irritation especially in a dark environment. Do not point at people!
- Maintenance and repairs should only be carried out by authorized service personnel!
- Attach the device so that the warning is clearly visible and readable.
- The warning accompanies the device and should be attached in immediate proximity to the device.
- Caution Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

FPEPPERL+FUCHS