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Model Number

ML5-54/30/115

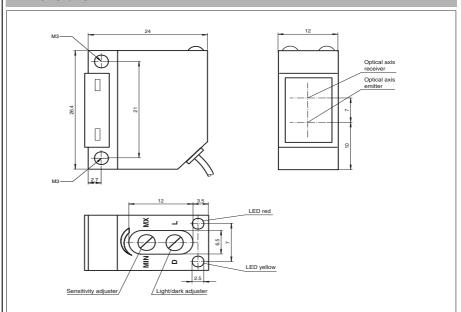
Retro-reflective sensor with polarization filter

with fixed cable

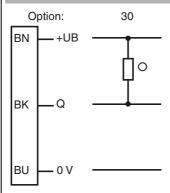
Features

- Miniature design
- Red light design
- Light/dark ON, switchable
- Pre-fault indication
- Protection degree IP67
- Thru-holes for screw mounting

Dimensions



Electrical connection



- O = Light on
- = Dark on

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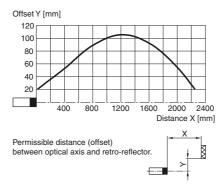
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Curves / Diagrams

Optical face

Mass

Characteristic response curve



Additional Information

Conventional use:

The reflex light beam switch contains the emitter and receiver in a single housing. The light from transmitter is reflected back to the receiver by a reflector. If an object interrupts the light beam the switching function is initiated.

Mounting instructions:

PMMA

approx. 45 g

The sensor can be fastened over the through-holes directly or with a mounting bracket (not included in scope of supply).

The base surface must be flat to avoid distorting the housing during mounting. It is advisable to secure the bolts and screws with washers to prevent misalignment of the sensor.

Instructions for adjustment:

Connect the sensor to operating voltage, the LED green lights up constantly.

Mount suitable reflector opposite light beam switch and align roughly.

The exact adjustment takes by swivelling the sensor horizontally and vertically. With optimum light reception the yellow LED lights up constantly. In case of bad alignment, the red LED lights up.

Object detection check:

Move the object into the light beam. If the object is recorded, the yellow LED goes off. If it isn't going off, reduce the sensitivity with the potentiometer until it goes off. It should light up constantly again when the object is removed.

The red LED lights up if reception deteriorates (e.g. soiled lenses or by maladjustment) and when falling short of the stability control.

lustration:

We recommend that you clean the optical interfaces and check the plug-in connections and screw connections at regular inter-

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