

# Photoelectric sensors O330

The economical solution from planning to installation



## 3 Functional principles

1 Light source

2 Beam characteristics

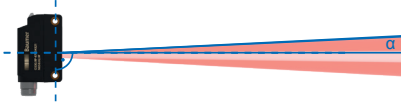
3 Output circuits

2 Connection possibilities

2 Mounting possibilities

## Plug & play integration

Faster design-in and production launch



qTarget – fast installation without fine-tuning thanks to optical axis aligned by design.



Extended 3D CAD data provides an integrated beam path with visualized blind, detection and reflection range. This eliminates sources of error and reduces the engineering effort.

## Performance in compact design

No compromising in tight installations



PinPoint LED with point or line beam and extended detection range in compact design.

## Getting more done

Ambient light immunity for highest plant efficiency



Maximum detection reliability with consistently high measurement speed in any lighting situation.

## O330 with PinPoint LED

Portfolio at a glance

	Diffuse sensors with background suppression O330.GP with qTeach	Retro-reflective sensors O330.RP	Through beam sensors O330.EP/TP
<b>General data</b>			
Sensing range	20 ... 250 mm	20 ... 350 mm	≤ 5 m
Light beam	Line	Point	Point
<b>Electrical data</b>			
Output circuit	PNP / NPN / push-pull		PNP / NPN / push-pull
Response / Release time	< 2.5 ms	< 1 ms	< 0.5 ms
Switching frequency	200 Hz	500 Hz	1000 Hz
<b>Mechanical data</b>			
Connection	Metal connector M8 or cable 2 m		Metal connector M8 or cable 2 m
Mounting	Sleeve smooth / Threaded sleeve M3		Sleeve smooth / Threaded sleeve M3
<b>Ambient conditions</b>			
Operating temperature	-25 ... 55 °C		-25 ... 55 °C
Protection class	IP67		IP67

