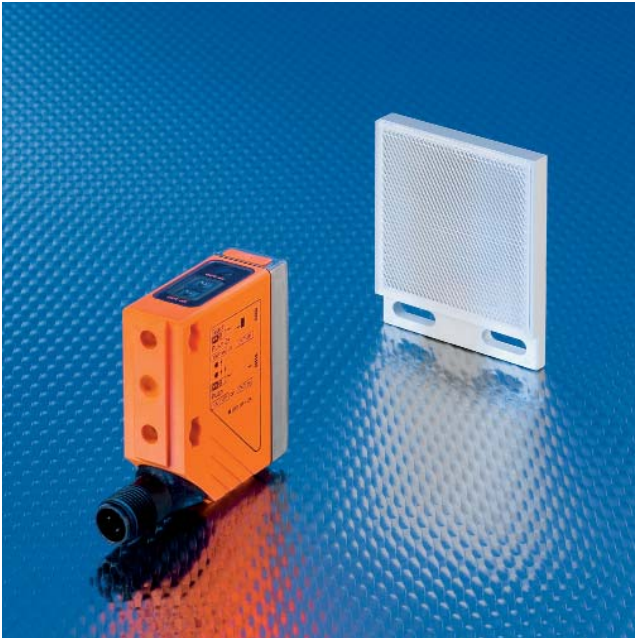




Clearly designed for the task: O5 clear-glass sensor.



Detection of glass, film, PET bottles and transparent packaging.

- Easy setting: the new Teach mode.
- Switch point adjustment with soiling indication.
- High switching frequency of 2,000 Hz for fast processes.
- Universal mounting using system components and mounting accessories.
- Visible red light facilitates alignment during mounting.

Easy-to-use

Visible red light

Switching frequency up to 2 kHz

IP 67

Specialists for transparent materials.

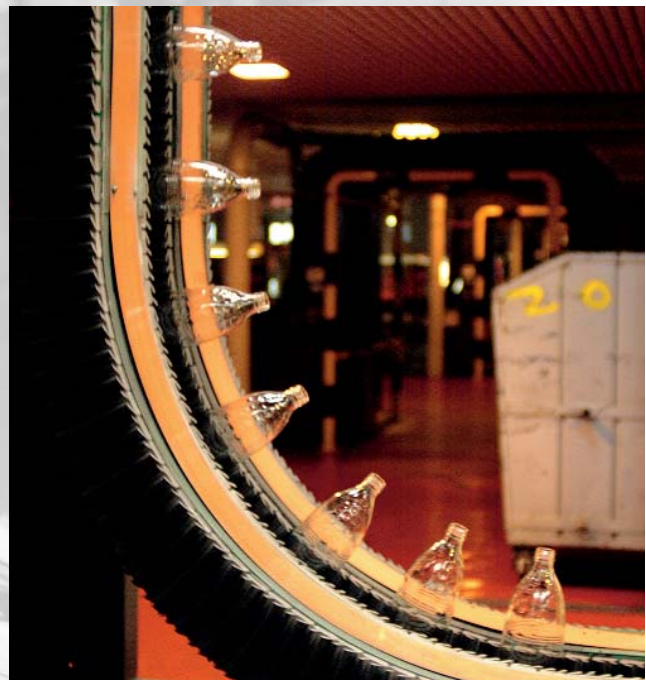
This system, consisting of a retro-reflective sensor with polarisation filter and a very fine prismatic reflector, complements the O5 product series and is ideal for the safe detection of PET materials and glass.

Easy handling and reliable function.

Using the innovative teach mode, the system is easy to adjust to your application. Even the detection of clear glass materials can be set by pressing the teach button twice. Light-on or dark-on mode is set at the same time.

Load detection (PNP or NPN) is independently carried out by means of the autodetect function.

In case of soiling, the automatic switch point adjustment ensures the reliable function.



Filling system for PET bottles

fluid sensors and diagnostic systems











position sensors and object recognition

bus, identification and control systems

Applications:
position detection of transparent materials.

Range [mm]	Teach button	Switching frequency [Hz]	Protection	Light-on / dark-on mode	Current consumption [mA]	Output function	Order no.
0...1500	•	2000	IP 67, II	programmable	< 50	PNP/NPN autodetect	O5G500

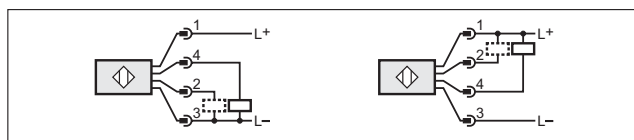
System components

Type	Description	Order no.
	Mounting bracket for rod, complete set incl. clamp	E21083
	Protective bracket for rod, complete set incl. clamp	E21084
	Universal angle bracket	E21085
	Mounting brackets mounting on the back of the unit	E21086
	Bracket for freestanding mounting	E21087
	Fixing element dovetail	E21088
	O5 fixing element with OC hole centres	E21114
	Wall mounting (dovetail) with OL hole centres	E21122
	Prismatic reflector 50 x 50 mm, plastics	E20722
	Prismatic reflector 100 x 100 mm, plastics	E20454

Common technical data





Operating voltage	[V]	10...36 DC
Dimensions (W x H x D)	[mm]	18.2 x 56 x 46.8
Current rating	[mA]	
Switching output		200
Function check output		50
Voltage drop	[V]	< 2.5
Short-circuit protection, pulsed		•
Reverse polarity / overload protection		• / •
Operating temperature	[°C]	-25...60
EMC		DIN EN 60947-5-2
Material	Housing / plug adapter Front pane LED window Bezel	PA PMMA PMMA stainless steel

Wiring diagrams



autodetect

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 2 m black, PUR cable	EVC001
	Socket, M12, 5 m black, PUR cable	EVC002
	Socket, M12, 2 m black, PUR cable	EVC004
	Socket, M12, 5 m black, PUR cable	EVC005

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