



Position sensors



2 in 1: distance and reflectivity measurement with the OGD Reflectivity



Laser sensors / distance sensors

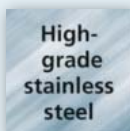
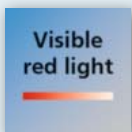


Simultaneous output of distance value and reflectivity for increased process reliability

Identification and sorting by differentiating between colour /contrast and distance/height of objects

Flexible installation options thanks to a range of up to 1.5 m

Process values shown on 2-colour display and sent via IO-Link



Reflectivity to differentiate between objects

The OGD Reflectivity determines the reflectivity of objects in addition to providing distance information in order to increase the reliability of the process control. The reflectivity indicates how much of the emitted light is reflected by a body and varies according to the colour and the properties of the surface. This is why the sensor can, for example, distinguish between beverage crates of different colours and detect the absence of print labels on packages to be shipped. Since the sensor provides the reflectivity in addition to the distance via a second switching output, automated sorting applications can be easily implemented.

With the OGD Reflectivity, all parameters can be set as usual using three pushbuttons and are clearly indicated on the two-colour display.



Measuring range [mm]	Background suppression [m]	Output	Laser protection class	Spot Ø at max. range [mm]	Unit of measurement	Order no.
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Photoelectric distance sensor · M12 connector

80...1500	...20	PNP	1	5	cm, refl (selectable)	OGD582
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Accessories

Type	Description	Order no.
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Installation

	Mounting set for clamp mounting, M10 thread, diecast zinc	E20718
	Mounting set for clamp mounting, M10 thread, stainless steel	E20870
	Mounting set for clamp mounting, Ø 12 mm, diecast zinc	E20836
	Mounting set for clamp mounting, Ø 12 mm, stainless steel	E21207
	Rod, 100 mm, Ø 12 mm, M10 thread, stainless steel	E20938
	Cube for mounting on an aluminium profile, M10 thread, diecast zinc	E20951

IO-Link

	USB IO-Link master for parameter setting and analysis of units Supported communication protocols: IO-Link (4.8, 38.4 and 230 Kbits/s)	E30390
	Memory plug, parameter memory for IO-Link sensors	E30398
	IO-Link masters with PROFINET interface	AL1100
	LR DEVICE (supplied on USB flash drive) Software for online and offline parameter setting of IO-Link sensors and actuators	QA0011

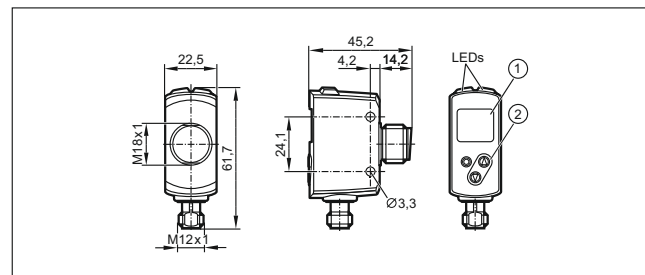
Connection technology

	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

Further technical data

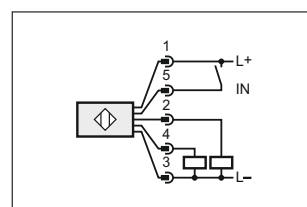
Operating voltage	[V DC]	10...30
Type of light / wave length		laser light 650 nm
Laser protection class		1
Output	H = light-on mode / D = dark-on mode	H / D switchable
Protection rating, protection class		IP 65 / IP 67 III
Extraneous light immunity	[klx]	10
Switching status indication	LED	2 x yellow
Switching frequency	[Hz]	11
Current rating	[mA]	2 x 100
Current consumption	[mA]	75
Short-circuit protection, pulsed		•
Reverse polarity protection / Overload protection		• / •
Ambient temperature	[°C]	-25...50
Materials	Housing	Stainless steel (1.4404 / 316L); ABS; PPSU; PMMA
	Lens	glass

Dimensions



- 1) Alphanumeric display, 3 digits
- 2) Programming buttons

Wiring diagram



We reserve the right to make technical alterations without prior notice. · 11.2019