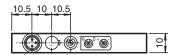


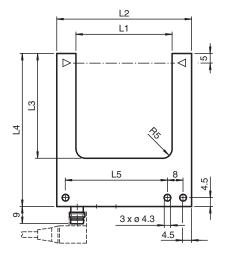
Photoelectric slot sensor, zinc pressure diecast housing, 80 mm slot width, red light, light/dark on, sensitivity adjuster, DC version, PNP output, 3 pin M8 plug

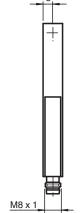
Function

Photoelectric slot sensors offer vast installation benefits thanks to their housing design. When it comes to operation, these new generation devices boast features such as high resolution, high repeatability, automatic signal threshold adjustment, ambient light resistance, and detection of and/or light transmission through transparent objects. Cross-talk protection enables parallel installation of devices despite extremely high switching frequency. These characteristics guarantee reliable detection of small parts, from 0.3 mm, across the entire detection range, even in very fast moving applications.

Dimensions







	L1	L2	L3	L4	L5
GL30	30	50	35	60	33
GL50	50	70	55	80	53
GL80	80	100	55	80	83

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

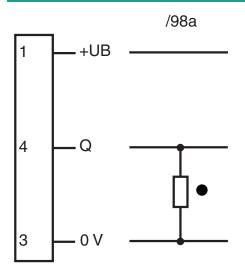
Light source LED Light source modulated visible red light Tests EN 60947-5-2 Target size EN 60947-5-2 Slot width 80 mm Slot width 55 mm Ambient light limit 56 mm Target size 80 mm Slot depth 56 mm Ambient light limit 100000 Lux Functional safety related parameters 1200 a MTTF, 1200 a Diagnostic Coverage (DC) 0% Todictor/operating means Electrical social s	General specifications		
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Housingpowder coated diecast zincOptical faceglass	Connection		M8 connector, 3-pin
Optical face glass	Material		
	Housing		powder coated diecast zinc
Mass 125 g	Optical face		glass
	Mass		125 g

 Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Connection Assignment



O = Light on

= Dark on

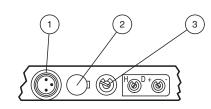
Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Assembly

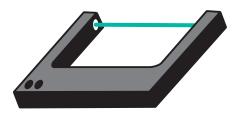


1	Functional display	red
2	Light-/dark switch	
3	Sensitivity adjuster	

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

3

Application



Accessories

« /

V3-WM-2M-PUR

Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable grey

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".



4

Operating principle

Photoelectric slot sensors are photoelectric sensors that operate according to the thru-beam sensor principle. The transmitter sends signals directly to the receiver. If an object breaks the light beam, the switching element function is triggered. The special U-shaped design means the transmitter and receiver can be accommodated in one housing, which ensures high resistance to vibrations. In contrast to standard thru-beam sensors, photoelectric slot sensors have the added advantage of not requiring complex electrical installation, as only one device needs to be connected. Also, adjustment of the optical axes is not necessary.

Application

- Small part detection, from object size 0.3 mm
- · Can also be used for systems with strong vibrations
- · Detection of small needles in transparent hollow needles
- · Counting of small parts on conveyors
- · Feed and correct separation verification
- Web edge control
- · Elevator car position in elevators

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

