Baumer
Passion for Sensors

Photoelectric retro-reflective sensor

O330.RP.T-PDPVZ.72OV/0030_H006_P000

Article number: 11739590

Overview

- Transparent detection
- Sensitivity 20%
- Power-Up Teach
  - Sensor ready after 5 sec, reflector must be visible during this time



Picture similar

Technical data

General data	
Type	Retro-reflective sensor
Light source	Pulsed PinPoint LED
Actual range Sb	5 m
Nominal range Sn	6 m
Polarization filter	Yes
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Power on indication	LED green
Wave length	634 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 1,5°
Electrical data	
Response time / release time	< 0.5 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	50 mA
Current consumption typ.	25 mA

Electrical data	
Voltage drop Vd	<2 VDC
Output function	Light / dark operate
Output circuit	PNP complementary
Output current	100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	11 mm
Height / length	32 mm
Depth	21 mm
Design	Rectangular
Mechanical mounting	Threaded sleeves M3 (brass)
Housing material	Plastic (ABS, ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M12, L=300 mm
Cable characteristics	PVC / PVC 4 x 0.14 mm²
Ambient conditions	
Operating temperature	-25 … +55 °C
Protection class	IP 67
Storage temperature	-40 … +70 °C

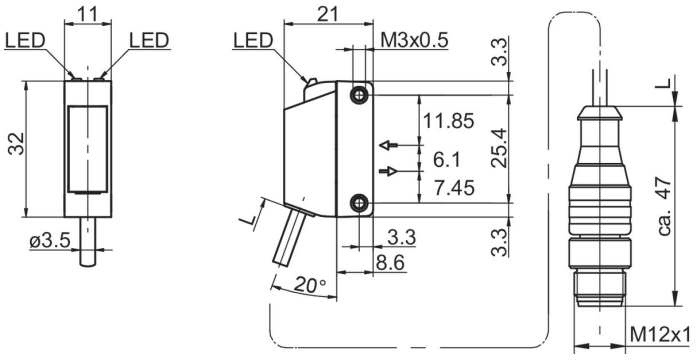
2026-08-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Photoelectric retro-reflective sensor

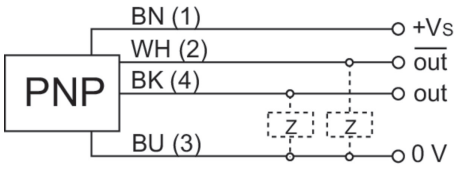
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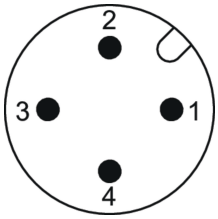
Dimension drawing



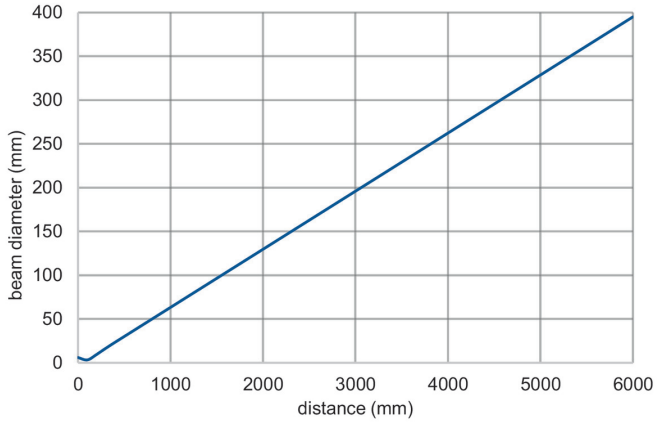
Connection diagram



Pin assignment



Beam characteristic (typically)



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Accessories	
Reflector	
11101254	FTDR 084A084
10128191	FTDR 015A038
10145962	FTDR 017A027
10125741	FTDR 029A046
10145961	FTDR 047A048
10145963	FTAR 013A000
11107543	FTAR 019A000
10138929	FTAR 020A000
11006499	FTAR 038A000
10128299	FTDF 020F020
11120355	Z-FTDF 050K0100
Mounting accessories	
11104963	Sensofix O300/U300
11102423	Mounting bracket O300/U300 (L design)
11124807	Mounting bracket O300 - Retrofit for sensors series 20
11707685	Mounting rod with mounting plate holder 200 mm
11707686	Mounting rod with mounting plate holder 300 mm
11707688	Mounting rod 200 mm
11707697	Mounting rod 250 mm
11707698	Mounting rod with mounting plate holder 250 mm
11707687	Mounting rod 300 mm
11707701	Mounting plate series 300 and ø12 mm
11707702	Mounting base
11707703	Two-way connector
Peripherals	
11084377	ZTEST-ALL.DIGITAL
11084376	ZTEST-ALL.ANALOG

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