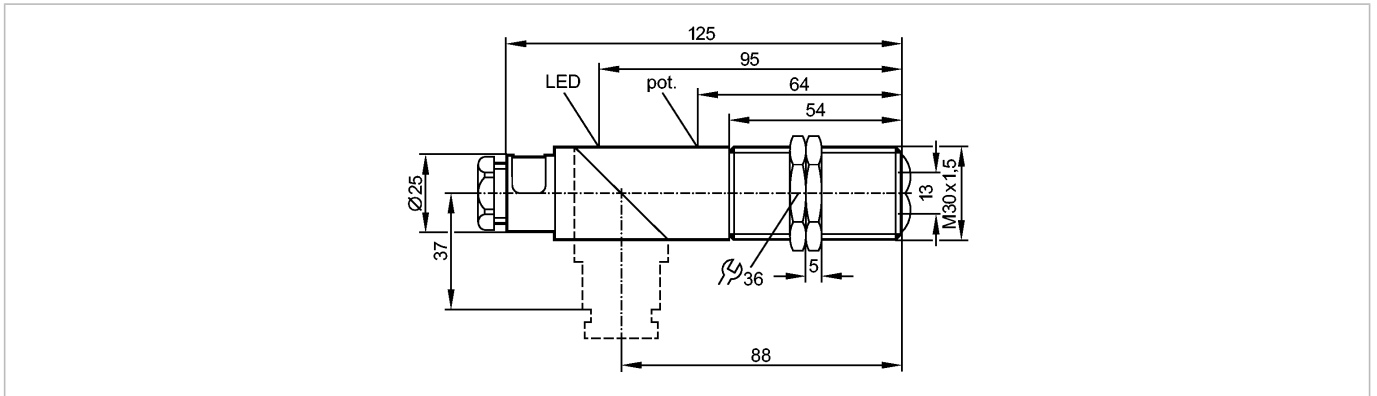


**OI5003**

OIT-FPKG

Photoelectric sensors



Made in Germany



**Product characteristics**

Diffuse reflection sensor
M30 x 1.5
Terminals
Range 3...700mm (referred to white paper 200 x 200 mm)
adjustable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...55 DC
Current consumption [mA]	< 30 (24 V)
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	Yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	100

**Monitoring range**

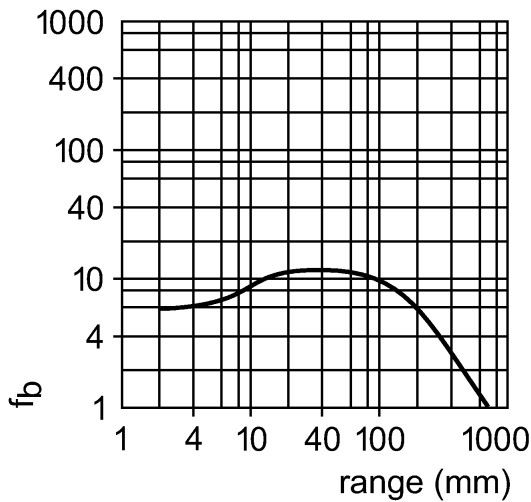
Light spot diameter [mm]	122 ( at maximum range )
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**Excess gain graphs**

**OI5003**

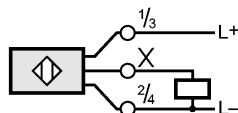
OIT-FPKG

Photoelectric sensors



Environment	
Ambient temperature	[°C] -25...80
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF	[Years] 659
Mechanical data	
Housing materials	PBT; modified PPO
Lens material	PMMA
Weight	[kg] 0.117
Displays / operating elements	
Output status indication	LED yellow
Electrical connection	
Connection	terminals up to 1.5 mm <sup>2</sup> ; cable diameter 7...13 mm, cable gland M20 x 1.5

**Wiring**



Accessories	
Accessories (included)	2 lock nuts; screwdriver
Remarks	
Pack quantity	[piece] 1