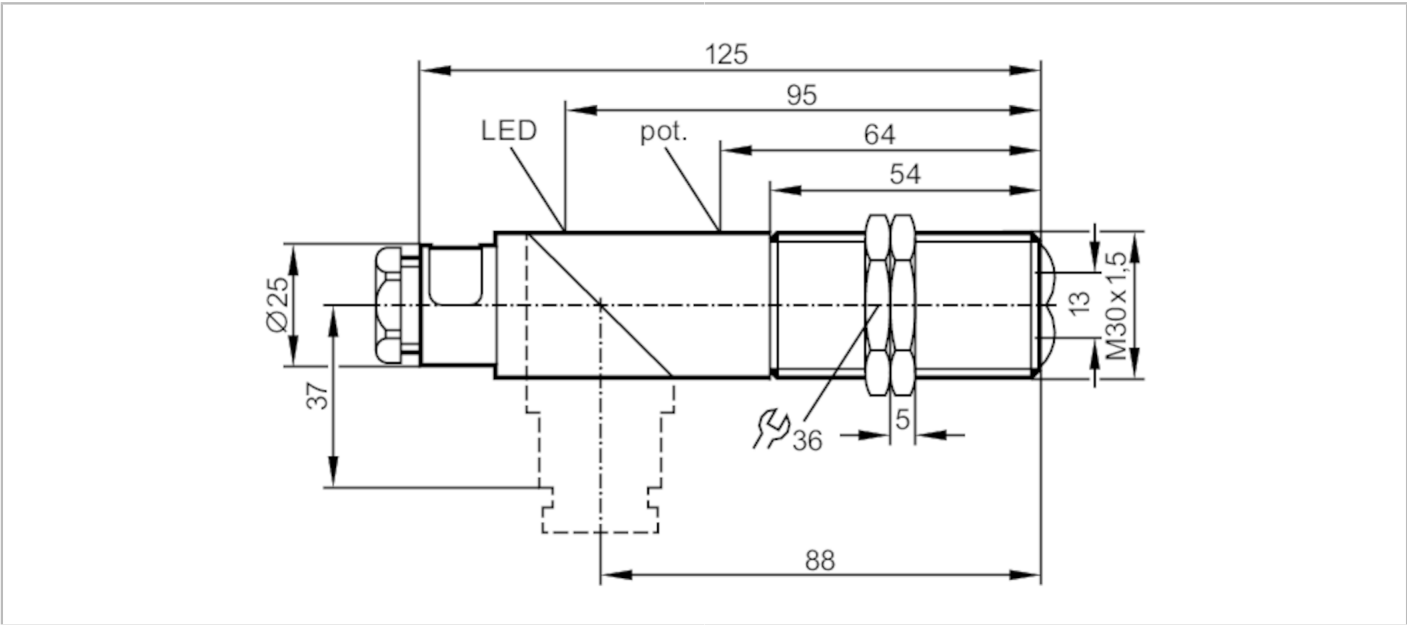




Retro-reflective sensor

OIP-FPKG



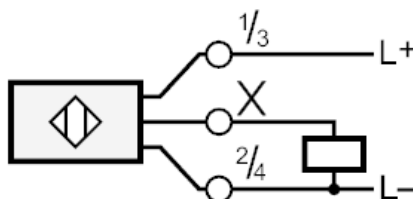
Product characteristics		
Type of light		red light
Housing		threaded type
Application		
Special feature		polarisation filter
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	25; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	65
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



Retro-reflective sensor

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Detection zone		
Range referred to prismatic reflector	[m]	0.15...2; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	200
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	661
Mechanical data		
Weight	[g]	127
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 125
Thread designation		M30 x 1.5
Materials		PBT; PPO modified
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2 screwdrivers
Remarks		
Pack quantity		1 pcs.
Electrical connection		
terminals: ...1.5 mm ² ; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		



**Retro-reflective sensor**

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Diagrams and graphs

excess gain graph

