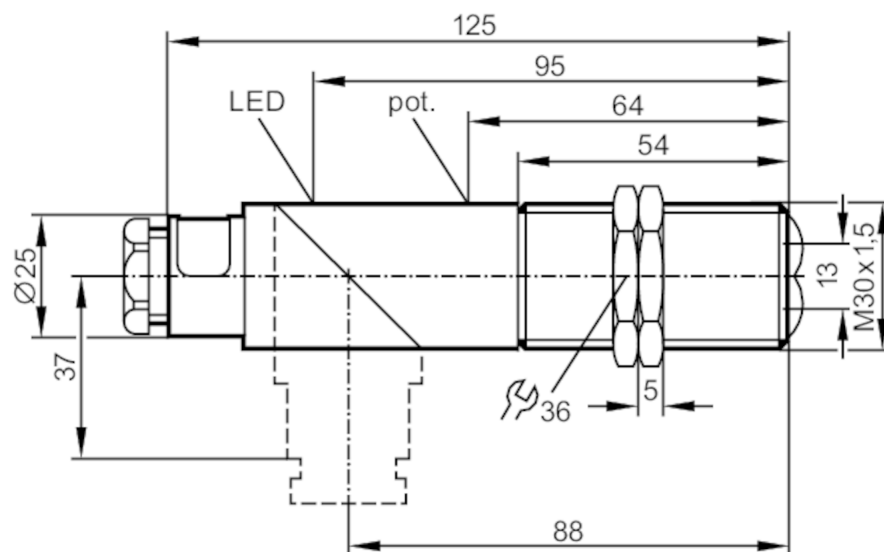


Retro-reflective sensor

OIR-FPKG



Product characteristics

Type of light	infrared light
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 125

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	30; ((24 V))
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	950

Outputs

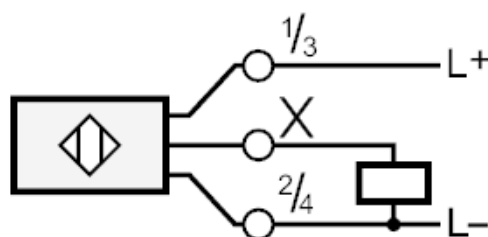
Electrical design	PNP
Output function	light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	65
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Retro-reflective sensor

OIR-FPKG

Detection zone		
Range referred to prismatic reflector	[m]	0.1...4; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	280
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	659
Mechanical data		
Weight	[g]	124
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		
Accessories (supplied)		lock nuts: 2 x screwdrivers
Remarks		
Pack quantity		1 pcs.
Electrical connection		
terminals: ...1.5 mm²; 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

