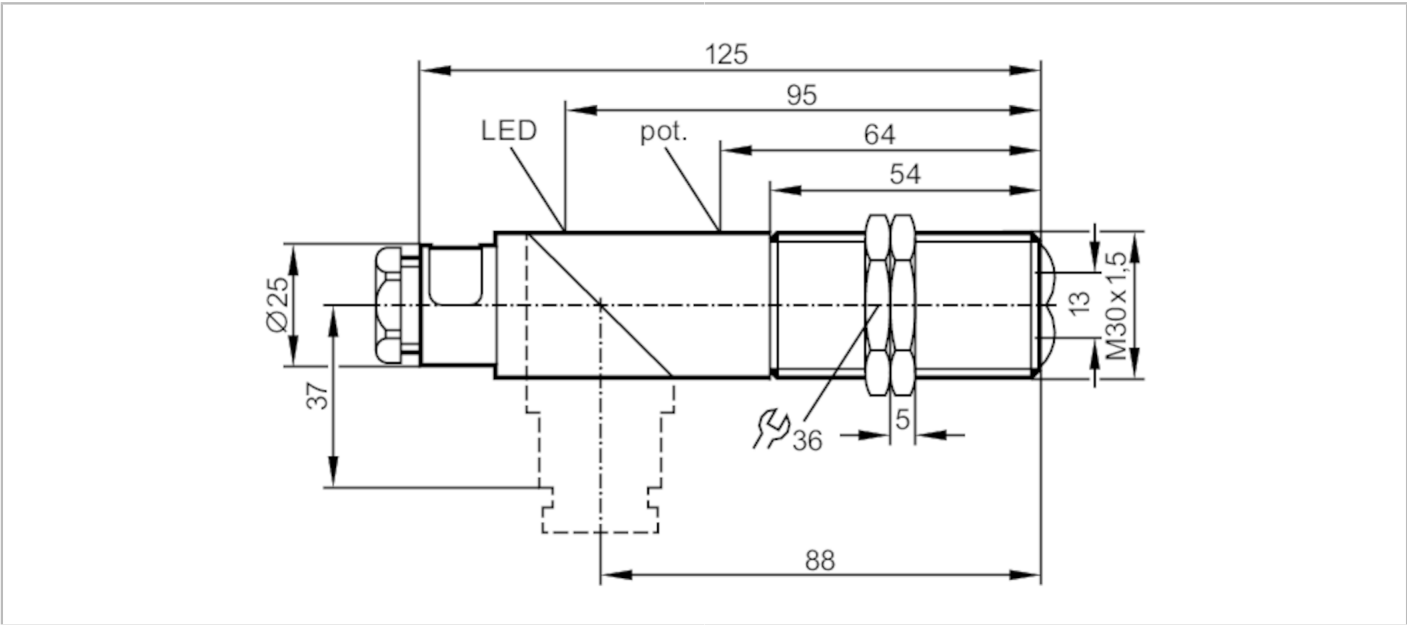




Retro-reflective sensor

OIR-FPKG



Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Function principle	Retro-reflective sensor
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Electrical data

Operating voltage	[V]	10...55 DC; (cULus - Class 2 source required)
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		yes (non-latching)
Overload protection		yes

Monitoring range

Range referred to prismatic reflector	[m]	0.1...4; (Prismatic reflector Ø 80 E20005)
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OI5001



Retro-reflective sensor

OIR-FPKG

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
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E031
	File number UL	E174191

Mechanical data

Weight [g]	124
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 125
Thread designation	M30 x 1.5
Material	PBT; PPO modified
Lens material	PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
	screwdrivers

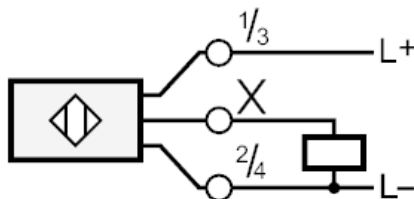
Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection





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Diagrams and graphs

excess gain graph

