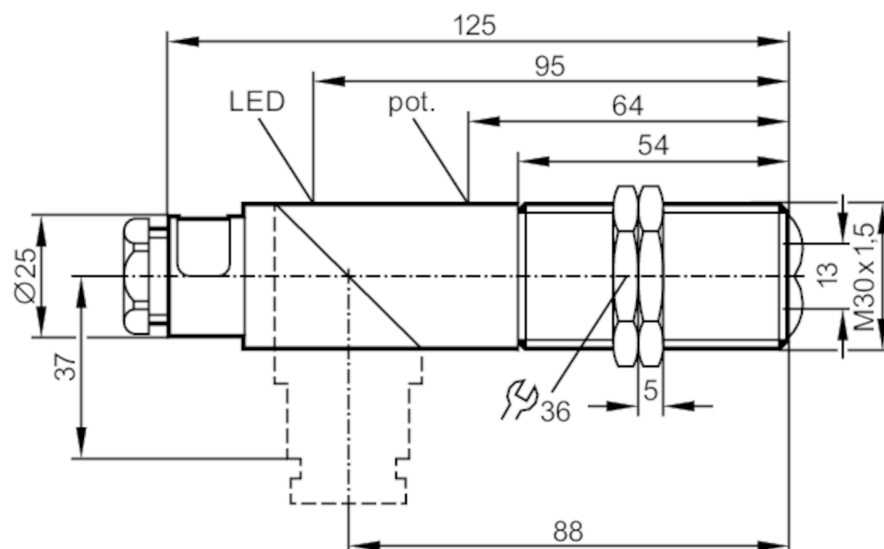




Retro-reflective sensor

OIP-FPKG



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	polarization filter
Function principle	Retro-reflective sensor

Electrical data

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



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Monitoring range		
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
Polarization filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	661
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]	127
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
Accessories		
Items supplied		lock nuts: 2
		screwdrivers
Remarks		
Pack quantity		1 pcs.



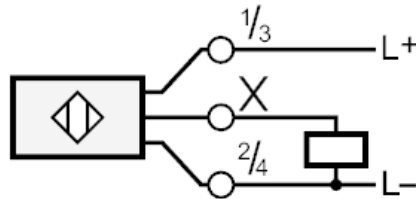
Retro-reflective sensor

OIP-FPKG

Electrical connection

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

Connection



Diagrams and graphs

excess gain graph

