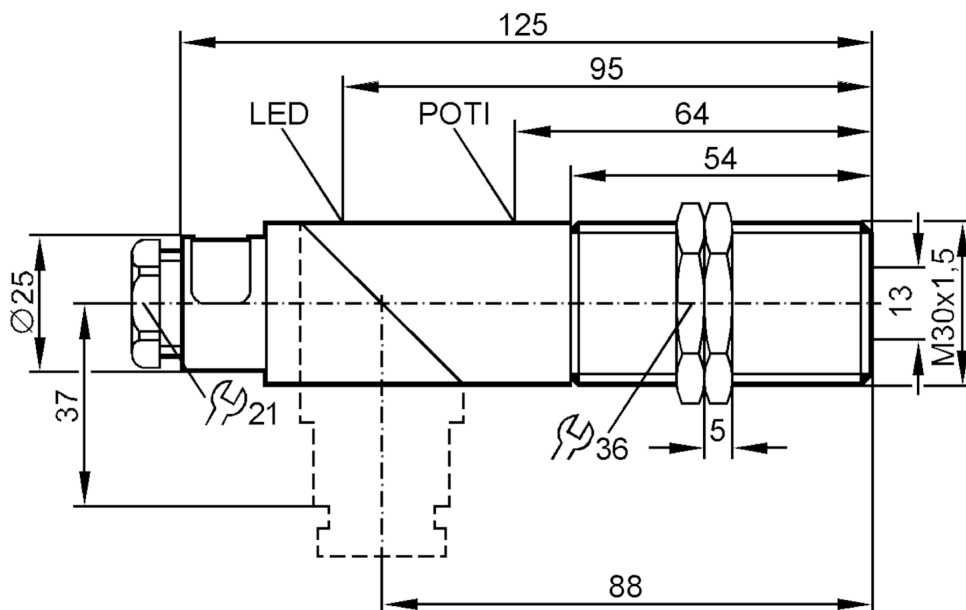




Diffuse reflection sensor

OIT-FPKG/PLANSHB



Application

Function principle

Diffuse reflection sensor

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]	880

Outputs

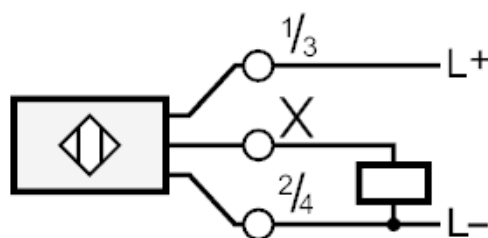
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



Diffuse reflection sensor

OIT-FPKG/PLANSHB

Detection zone		
Range	[mm]	< 150; (white paper 200 x 200 mm 90 % remission)
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	659
Mechanical data		
Weight	[g]	119.6
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
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		





Diagrams and graphs

