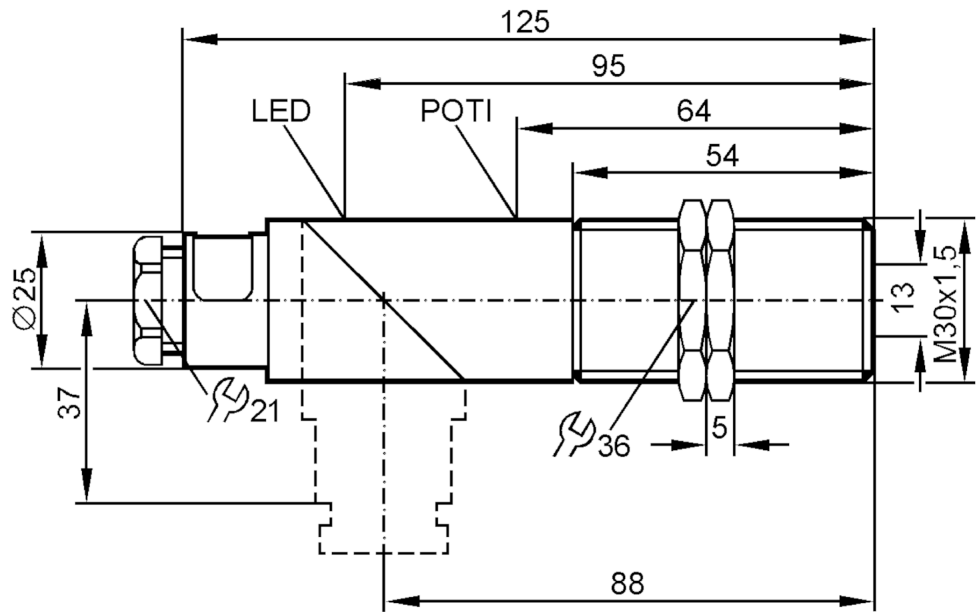




Diffuse reflection sensor

OIT-FPKG/PLANSHB



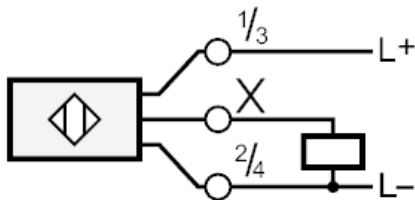
Product characteristics		
Type of light		Infrared light
Housing		Threaded type
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	30; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared 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		yes (non-latching)



Diffuse reflection sensor

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Overload protection	yes	
Monitoring range		
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]	121
Housing	Threaded type	
Dimensions	[mm]	M30 x 1.5
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.	
Electrical connection		
terminals: ...1.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		



**Diffuse reflection sensor**

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Diagrams and graphs