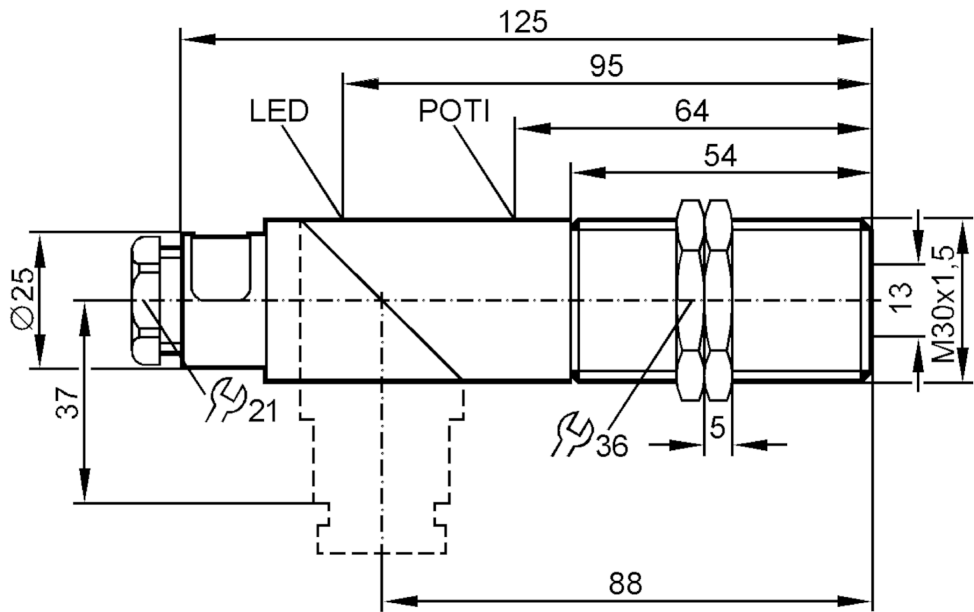




Diffuse reflection sensor

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		pulsed



Diffuse reflection sensor

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Overload protection	yes
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Detection zone

Range [mm]	< 150; (white paper 200 x 200 mm 90% remission)
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Range adjustable	yes
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Operating conditions

Ambient temperature [°C]	-25...80
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Protection	IP 65
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

MTTF [years]	659
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Mechanical data

Weight [g]	121
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Housing	threaded type
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Dimensions [mm]	M30 x 1.5
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Thread designation	M30 x 1.5
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Materials	PBT; PPO modified
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Lens material	PMMA
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
	screwdrivers

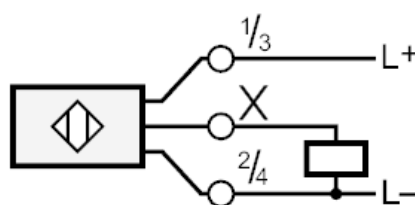
Remarks

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





Diagrams and graphs

