

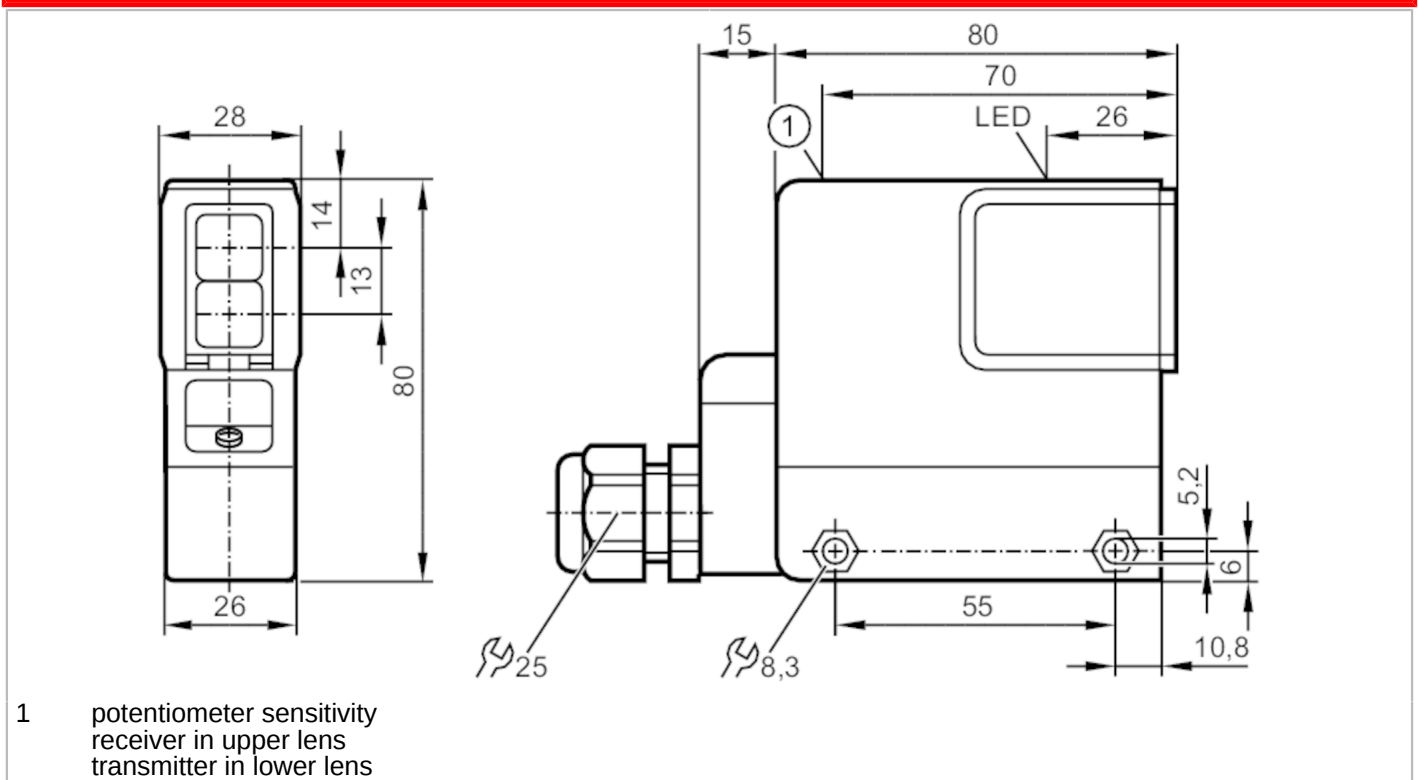
# OS5035



## Diffuse reflection sensor

OSN-FPKG/T

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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; (parameterisable)
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
Time function [s]	0.01...5

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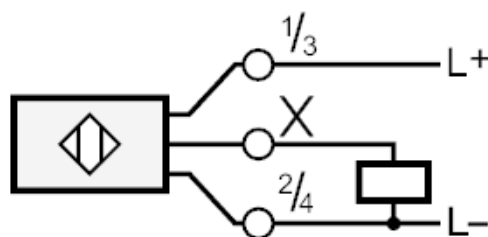


## Diffuse reflection sensor

OSN-FPKG/T

Detection zone		
Range	[mm]	< 220; (white paper 200 x 200 mm)
Diffuse reflection sensor for short ranges		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Materials		PPO modified
Lens material		glass
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		Angle bracket screwdrivers
Remarks		
Pack quantity		1 pcs.
Electrical connection		
terminals: ...1.5 mm <sup>2</sup> ; Cable sheath: Ø 7...13 mm		

### Connection



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