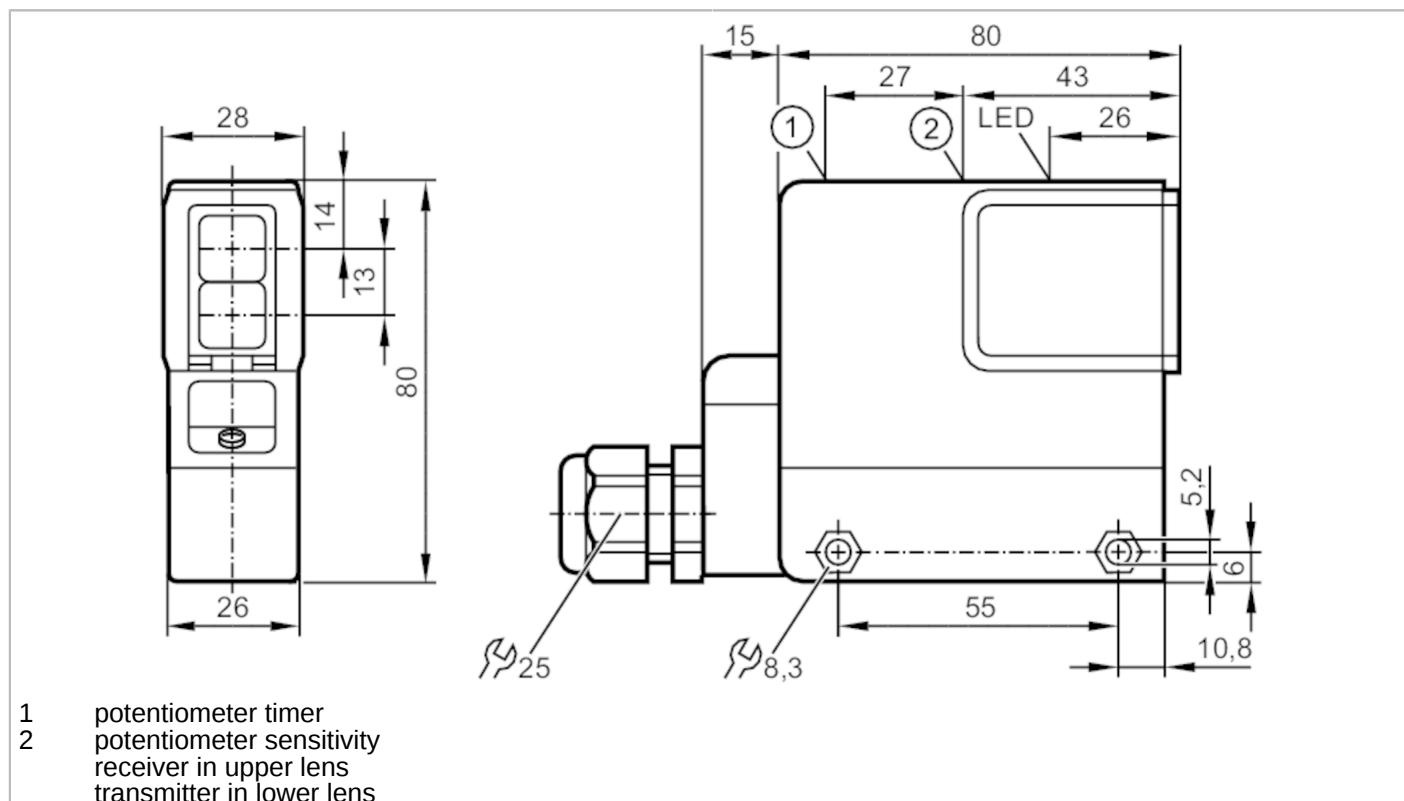


OS5018



Diffuse reflection sensor

OST-FPKG



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

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Detection zone		
Range	[mm]	< 1000; (white paper 200 x 200 mm)
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]	639
Mechanical data		
Weight	[g]	270
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Materials		PPO modified
Lens material		glass
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	Angle bracket: 1 x, E20210 screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
terminals: ...1.5 mm²; Cable gland: M20 X 1.5		
Connection		

