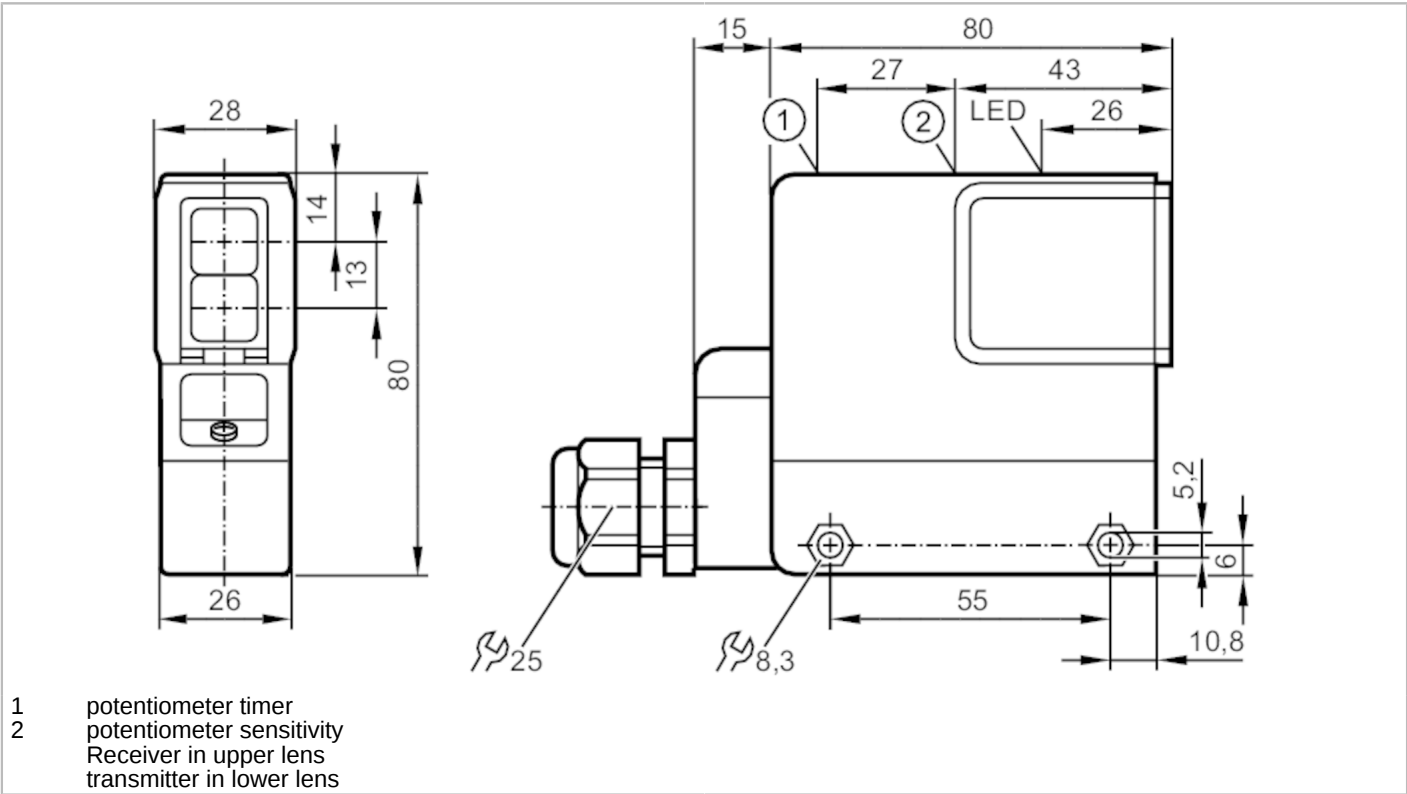


OS5018



Diffuse reflection sensor

OST-FPKG



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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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)

OS5018



Diffuse reflection sensor

OST-FPKG

Overload protection	yes	
Monitoring range		
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]	275
Housing	rectangular	
Dimensions	[mm]	80 x 28 x 95
Material	PPO modified	
Lens material	glass	
Lens alignment	Side sensing	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	Angle bracket: 1, E20210 screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
terminals: ...1.5 mm²; Cable gland: M20 X 1.5		
Connection		

