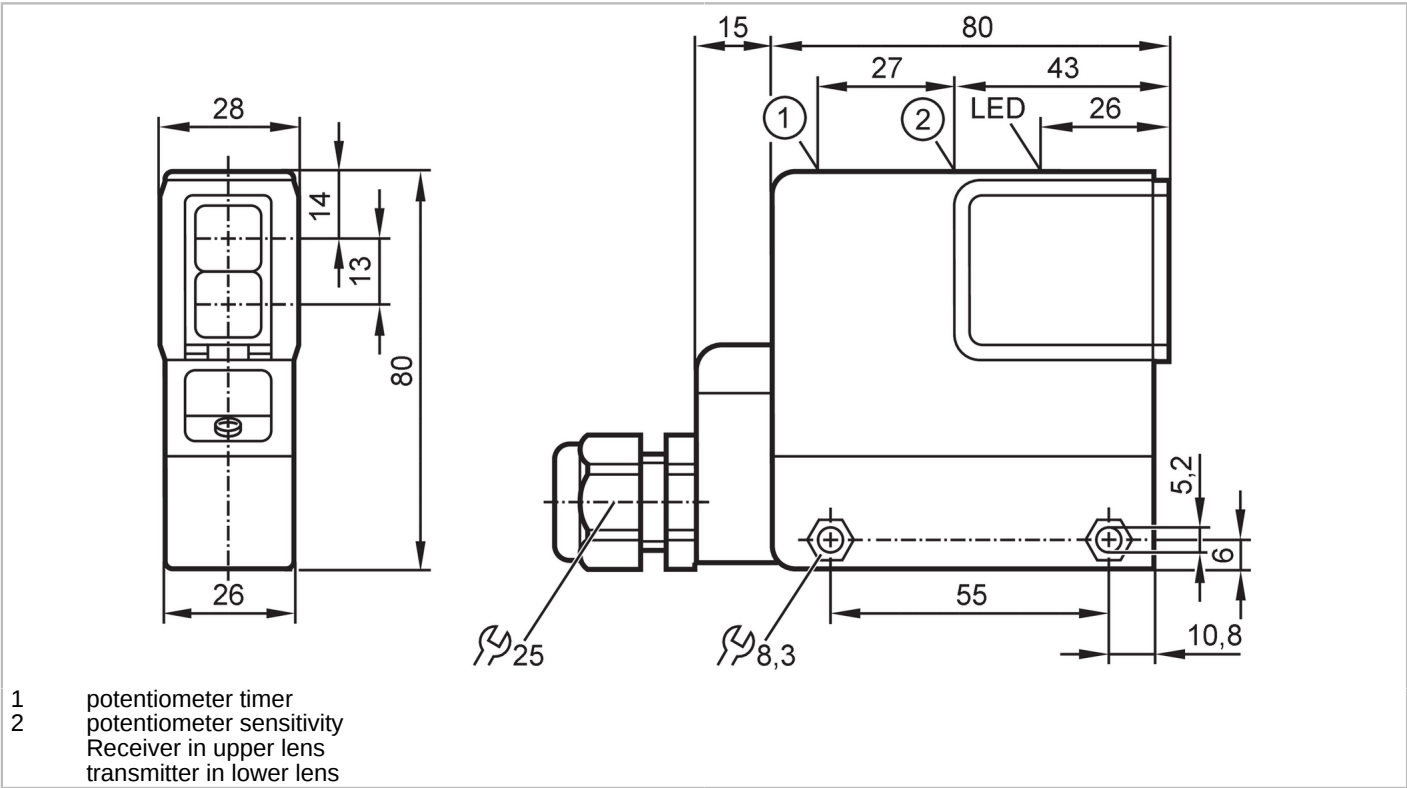


OS5018



Diffuse reflection sensor

OST-FPKG



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
Application	Industrial applications

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

OS5018



Diffuse reflection sensor

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Type of short-circuit protection	yes (non-latching)
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	housing: PPO modified
Lens material	front lens: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 mm ² ; Cable gland: M20 X 1.5	

Connection

