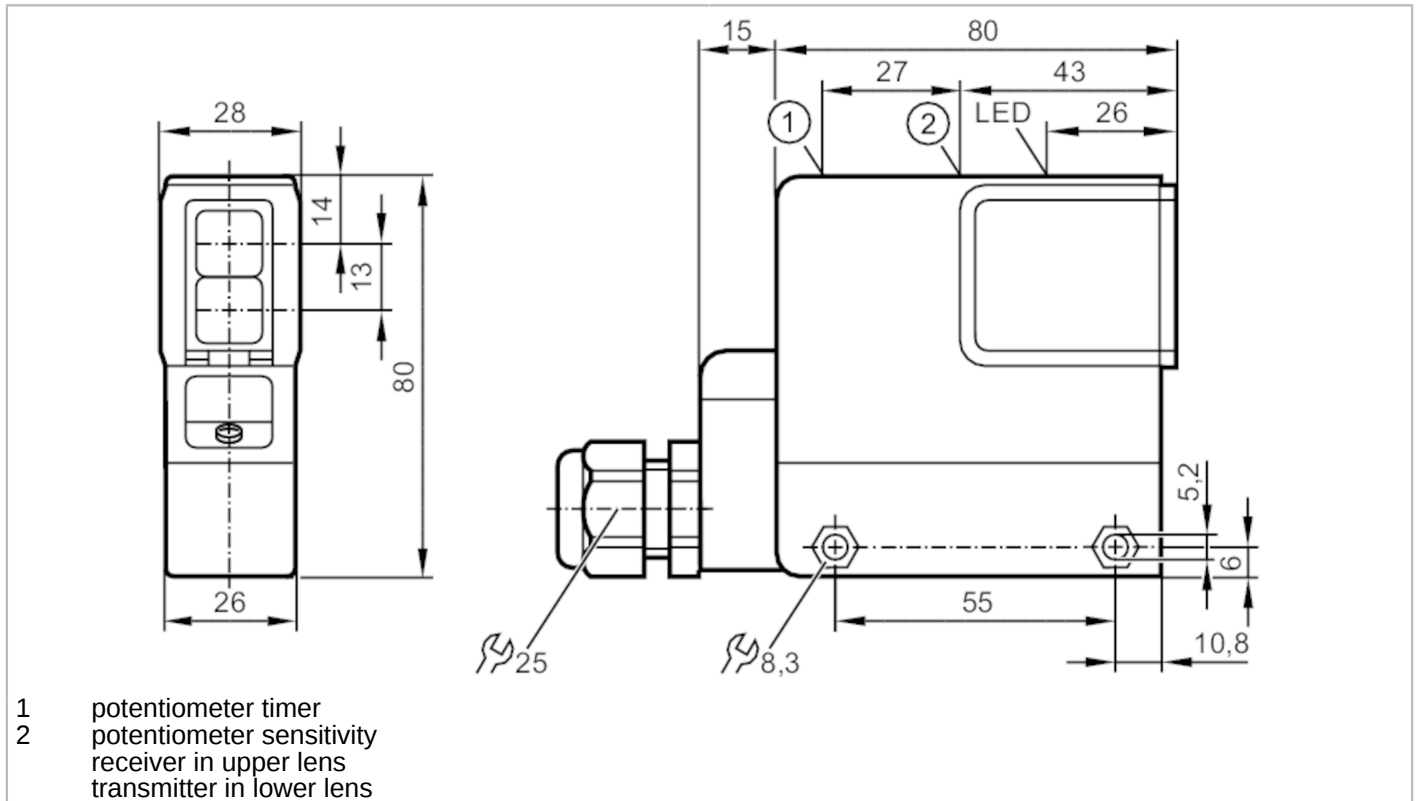


# OS5018



## Diffuse reflection sensor

OST-FPKG



Product characteristics	
Type of light	infrared light
Housing	rectangular
Dimensions [mm]	80 x 28 x 95
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

# OS5018



## Diffuse reflection sensor

OST-FPKG

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
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
MTTF	[years]	639
		class B
Mechanical data		
Weight	[g]	275
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.

# OS5018



## Diffuse reflection sensor

OST-FPKG

### Electrical connection

terminals: ...1.5 mm<sup>2</sup>; Cable gland: M20 X 1.5

### Connection

