

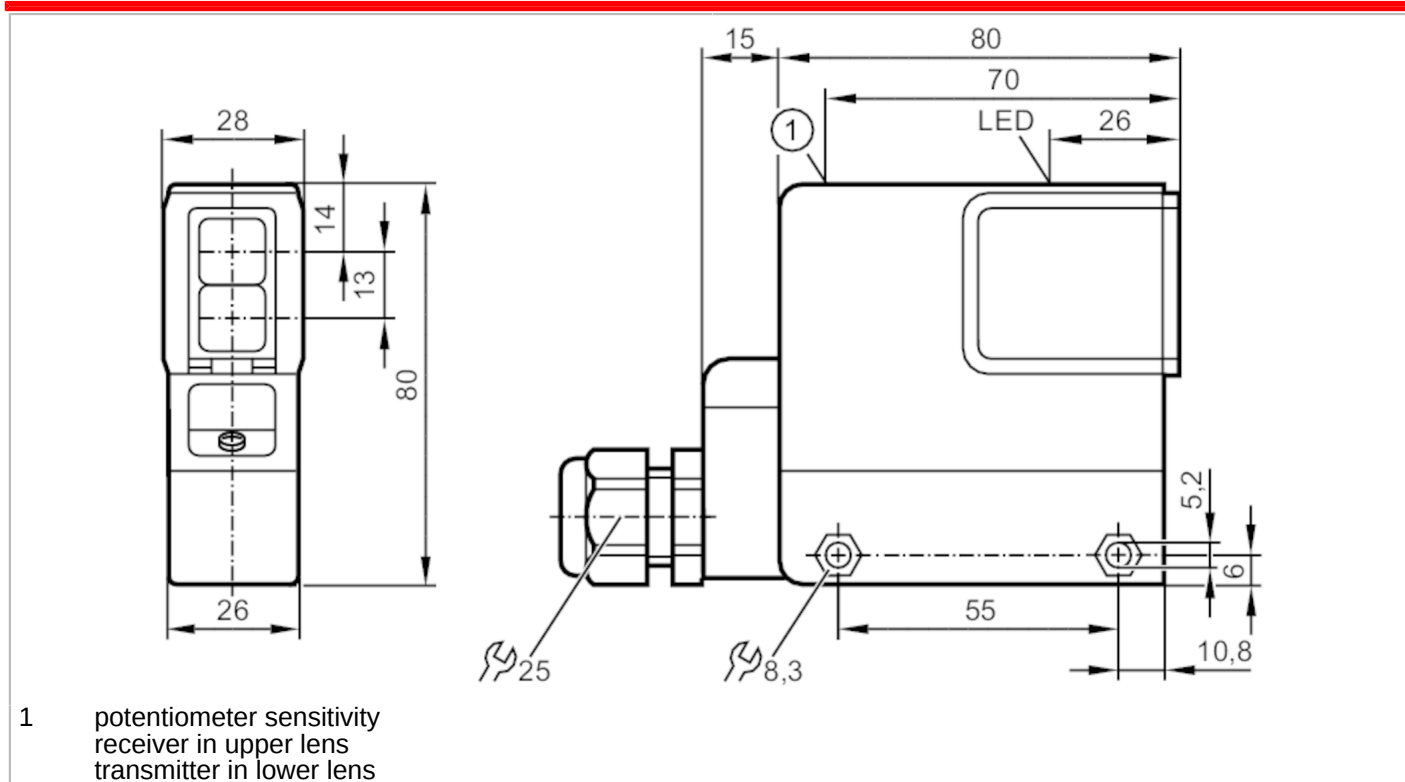
OS0035



Diffuse reflection sensor

OSN-FBOA/T

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Application

Function principle

Diffuse reflection sensor

Electrical data

Operating voltage [V]

20...250 AC/DC

Protection class

II

Type of light

infrared light

Wave length [nm]

880

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Diffuse reflection sensor

OSN-FBOA/T

Outputs		
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	10.5
Max. voltage drop switching output AC	[V]	10.5
Minimum load current	[mA]	15
Max. leakage current	[mA]	6
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	250; (350 (...50 °C))
Short-time current rating of switching output	[mA]	2200; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	25
Short-circuit protection		no
Overload protection		no
Time function	[s]	0.01...5
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.

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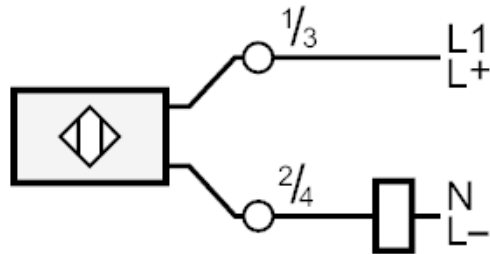
Diffuse reflection sensor

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Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 7...13 mm

Connection



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