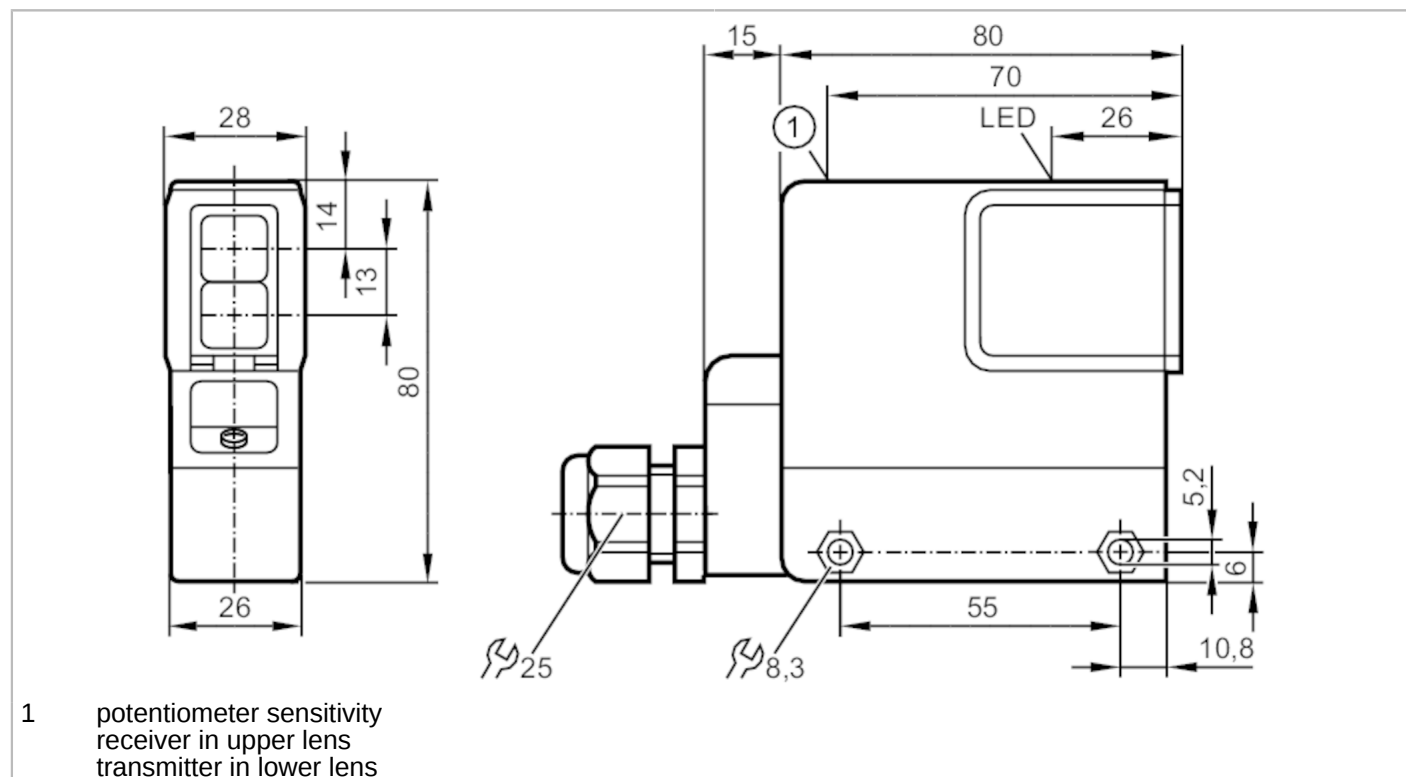




Diffuse reflection sensor

OSN-FBOA



Application

Function principle

Diffuse reflection sensor

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Type of light		infrared light
Wave length	[nm]	880



Diffuse reflection sensor

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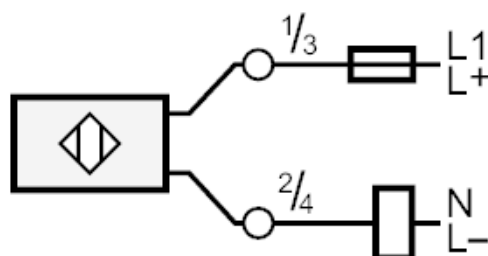
Outputs		
Output function	light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC [V]	10.5	
Max. voltage drop switching output AC [V]	10.5	
Minimum load current [mA]	15	
Max. leakage current [mA]	6	
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))	
Permanent 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 proof	no	
Overload protection	no	
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	class B
	EN 55011	
MTTF [years]	302	
Mechanical data		
Weight [g]	262.6	
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
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories		
Accessories (supplied)	Angle bracket: 1 x, E20210	
	screwdrivers	

**Diffuse reflection sensor**

OSN-FBOA

Remarks

Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Notes	discontinued article
Pack quantity	1 pcs.

Electrical connectionterminals: ...1.5 mm²; Cable gland: M20 X 1.5**Connection**

Note : miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting