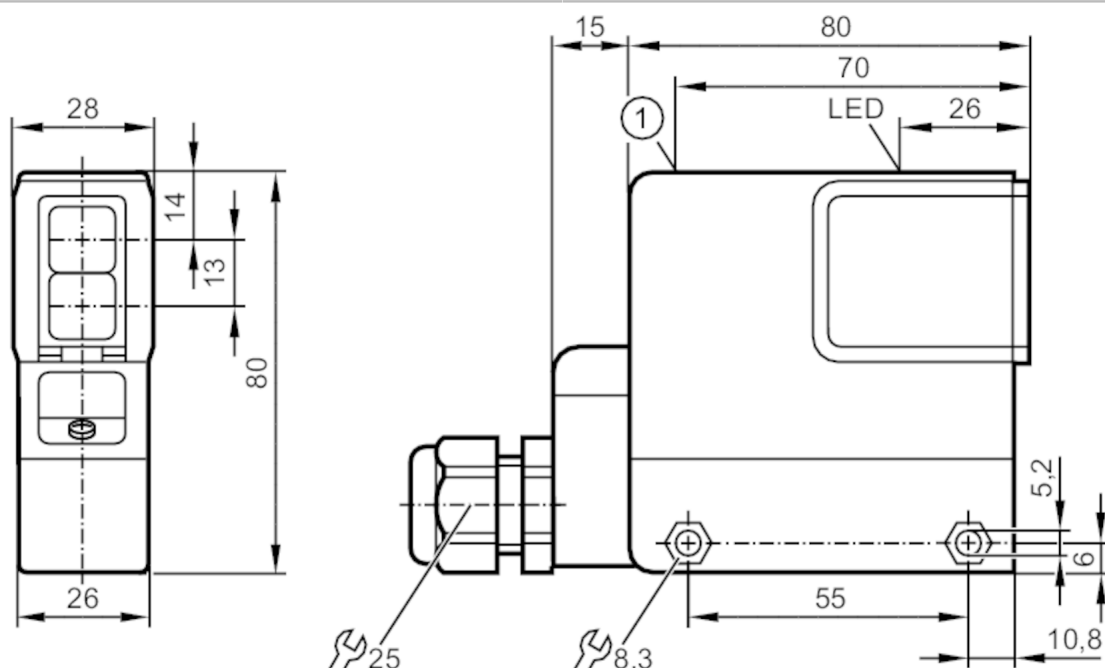




Diffuse reflection sensor

OSN-FBOA

Article to be discontinued



- 1 potentiometer sensitivity
Receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

System	short ranges
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

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))



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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	
Monitoring range			
Range	[mm]	< 220; (white paper 200 x 200 mm)	
Short ranges		yes	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	302	
Mechanical data			
Weight	[g]	262.6	
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
Electrical connection			
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories			
Items supplied		Angle bracket: 1, E20210 screwdrivers	
Remarks			
Remarks		Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity		1 pcs.	

OS0032



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Electrical connection

terminals: ...1.5 mm²; Cable gland: M20 X 1.5

Connection



Note : miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A fast acting