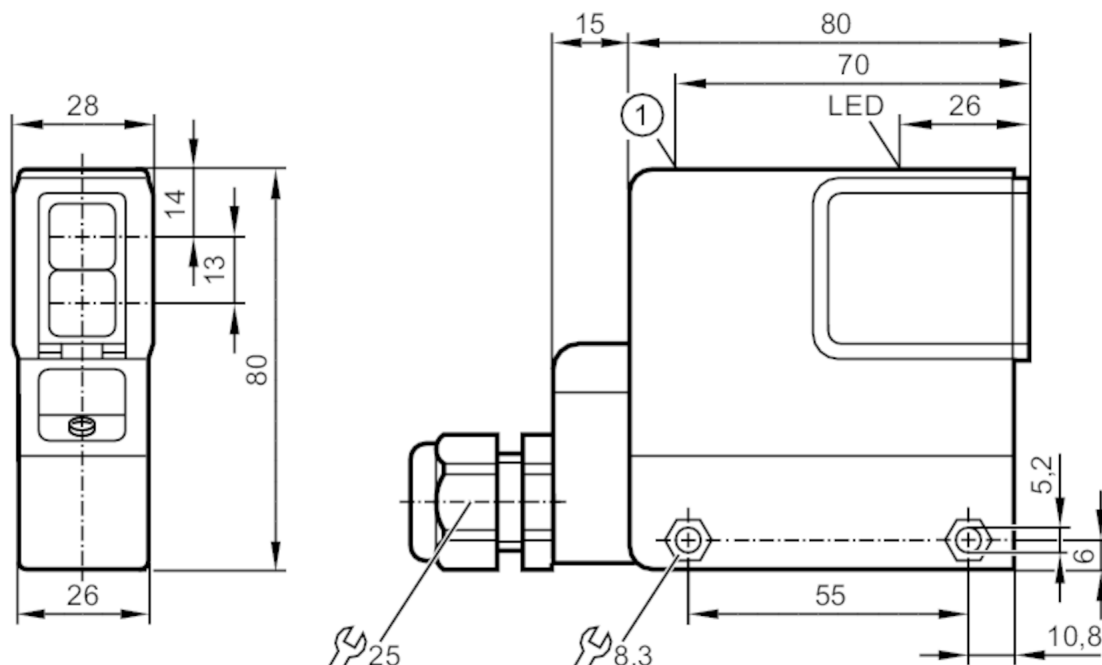


Diffuse reflection sensor

OSN-FBOA/T

Article no longer available - archive entry



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

Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Special feature	Diffuse reflection sensor for short ranges
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

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)



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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
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Аксессуары

Items supplied		Angle bracket
		screwdrivers

Remarks

Pack quantity		1 pcs.
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Electrical connection

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

Connection

