OS0035

Diffuse reflection sensor

OSN-FBOA/T

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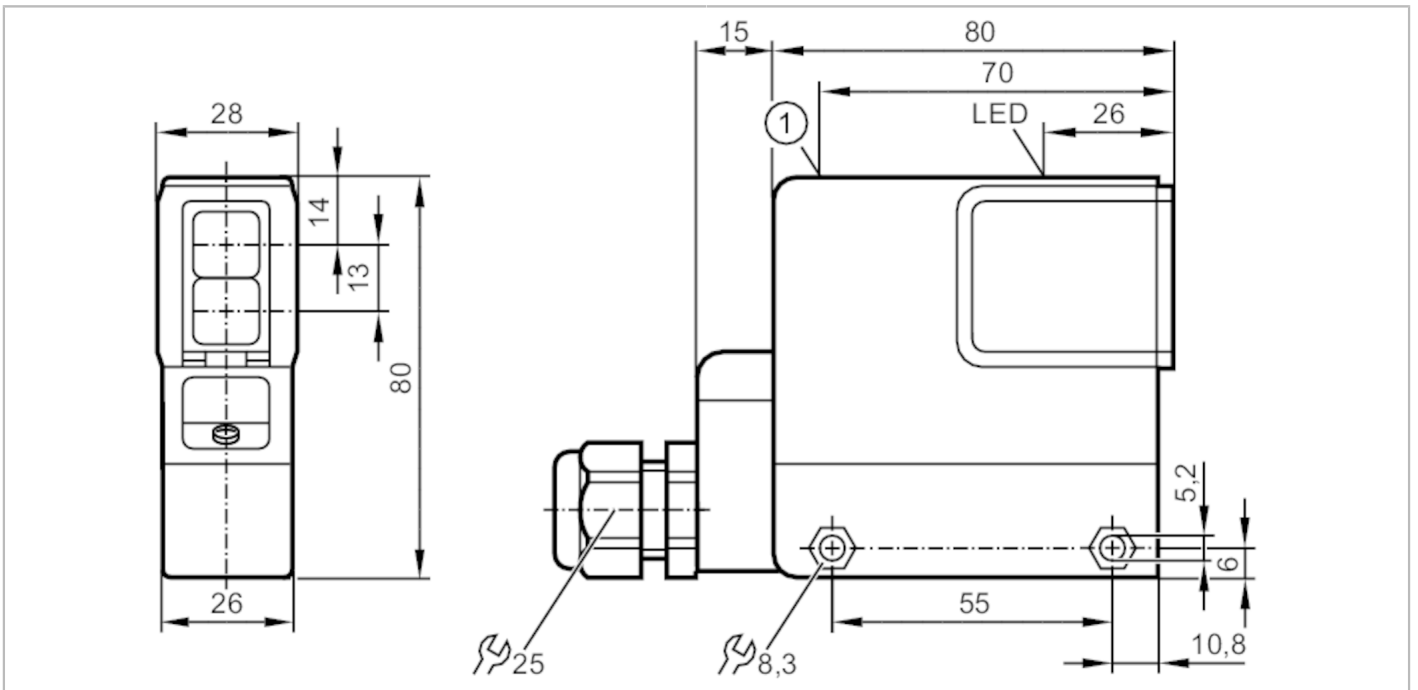

1 potentiometer sensitivity
receiver in upper lens
transmitter in lower lens

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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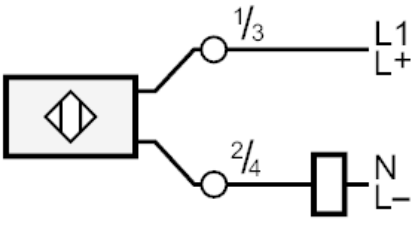
Switching frequency AC	[Hz]	25	
Switching frequency DC	[Hz]	25	
Short-circuit protection		no	
Overload protection		no	
Time function	[s]	0.01...5	
Detection zone			
Range	[mm]	< 220; (white paper 200 x 200 mm)	
Diffuse reflection sensor for short ranges		yes	
Operating conditions			
Ambient temperature	[°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
Accessories			
Items supplied		Angle bracket	
		screwdrivers	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

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

Connection