OS5035

Diffuse reflection sensor

OSN-FPKG/T

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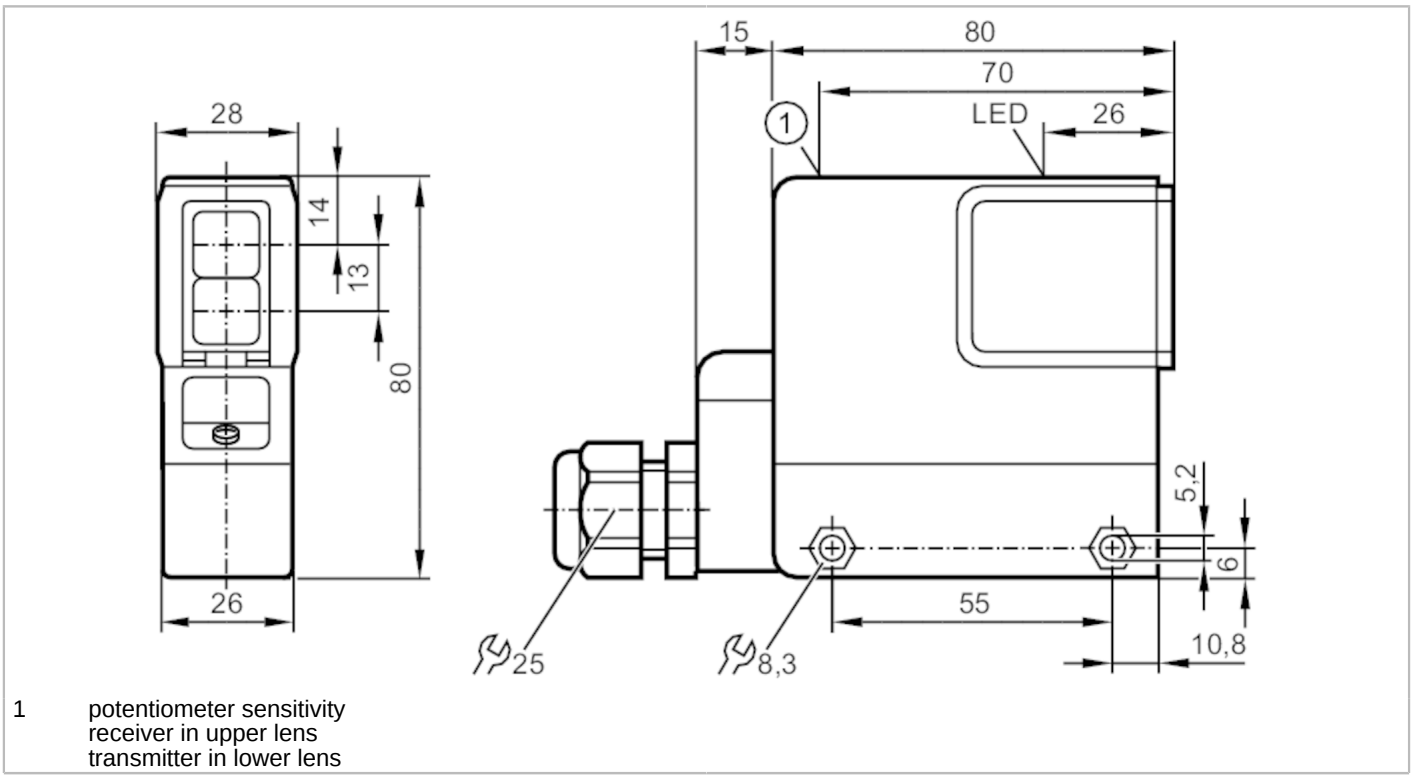

1 potentiometer sensitivity
receiver in upper lens
transmitter in lower lens

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]	10...55 DC
Current consumption	[mA]	30; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed

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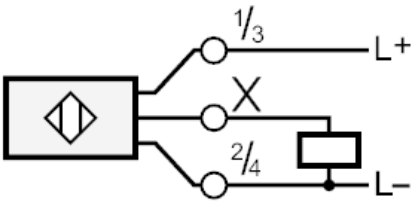
Overload protection		yes	
Time function	[s]	0.01...5	
Detection zone			
Range	[mm]	< 220; (white paper 200 x 200 mm)	
Diffuse reflection sensor for short ranges		yes	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class 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