

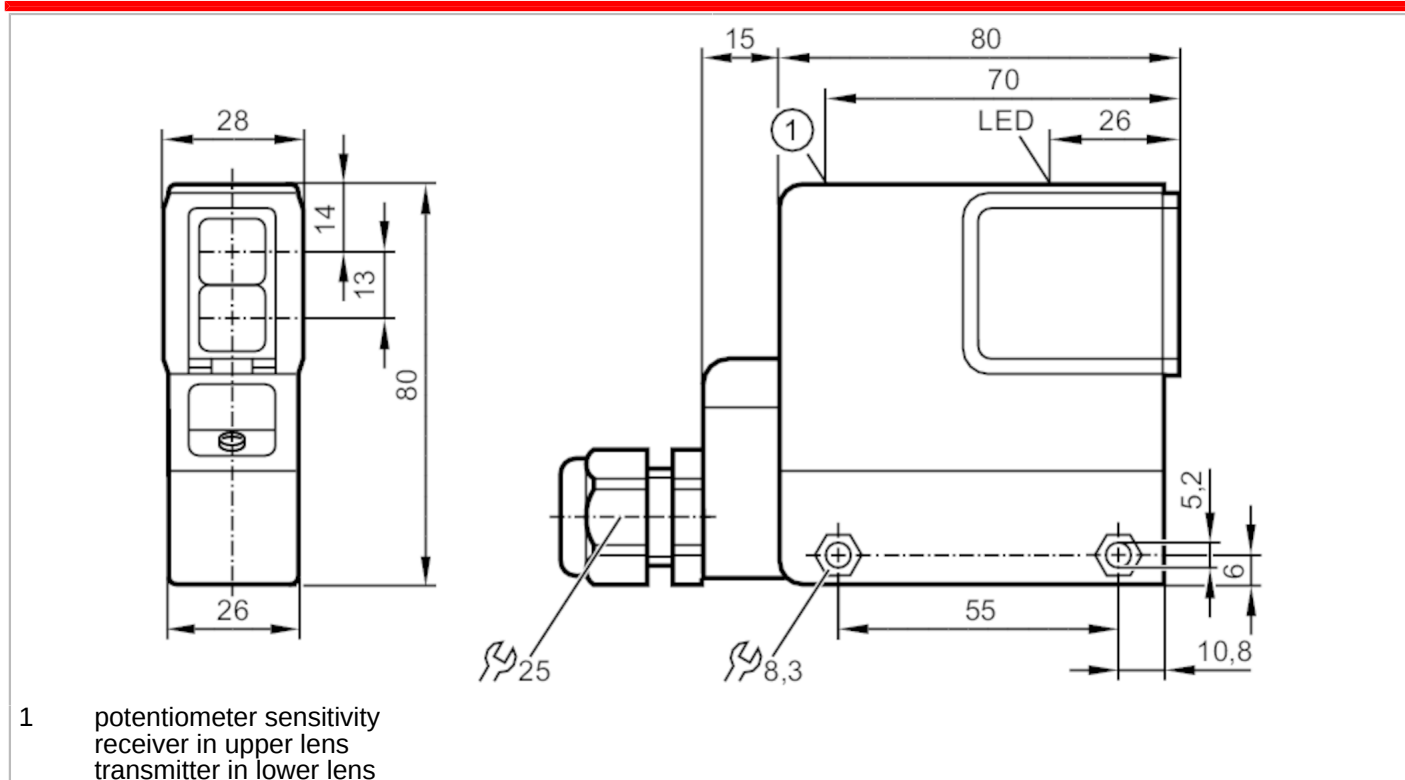
# OS5035



## Diffuse reflection sensor

OSN-FPKG/T

Article no longer available - archive entry



### Product characteristics

Type of light	infrared light
Housing	rectangular
Dimensions [mm]	80 x 28 x 95

### 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

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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
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		
Accessories (supplied)		Angle bracket
		screwdrivers
Remarks		
Pack quantity		1 pcs.

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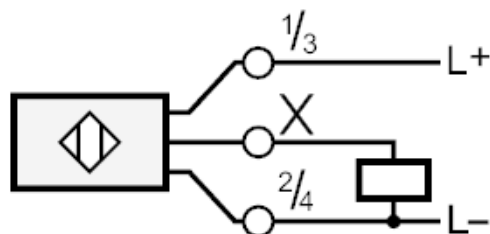
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### Electrical connection

terminals: ...1.5 mm<sup>2</sup>; Cable sheath: Ø 7...13 mm

### Connection



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