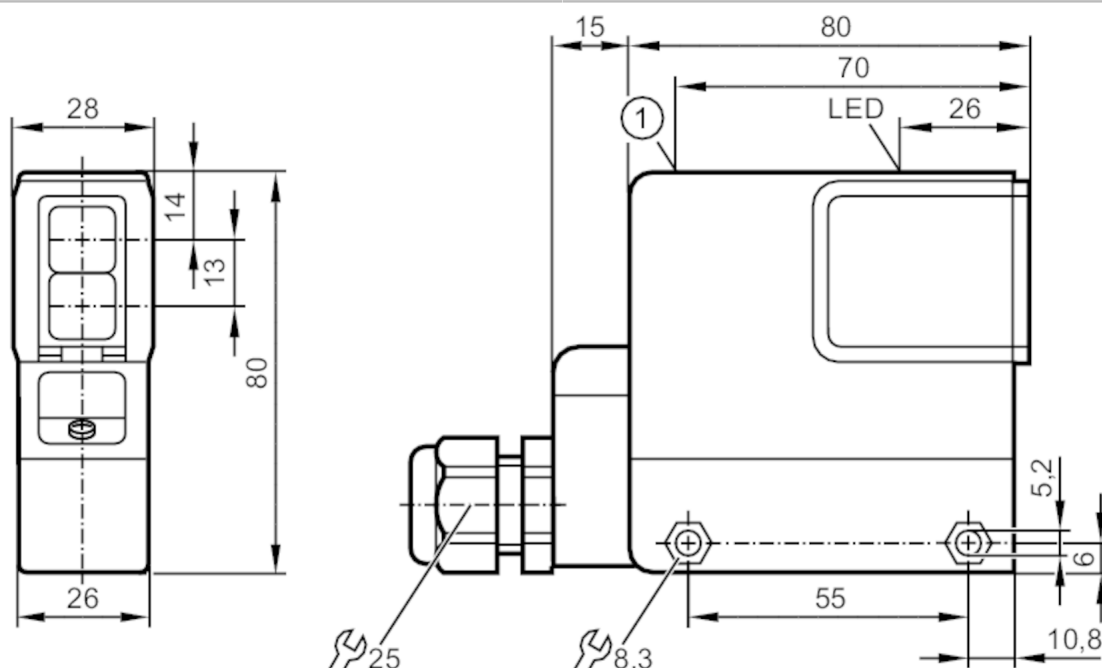


Diffuse reflection sensor

OSN-FNKG/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]	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	NPN
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



Diffuse reflection sensor

OSN-FNKG/T

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		
Connection		

