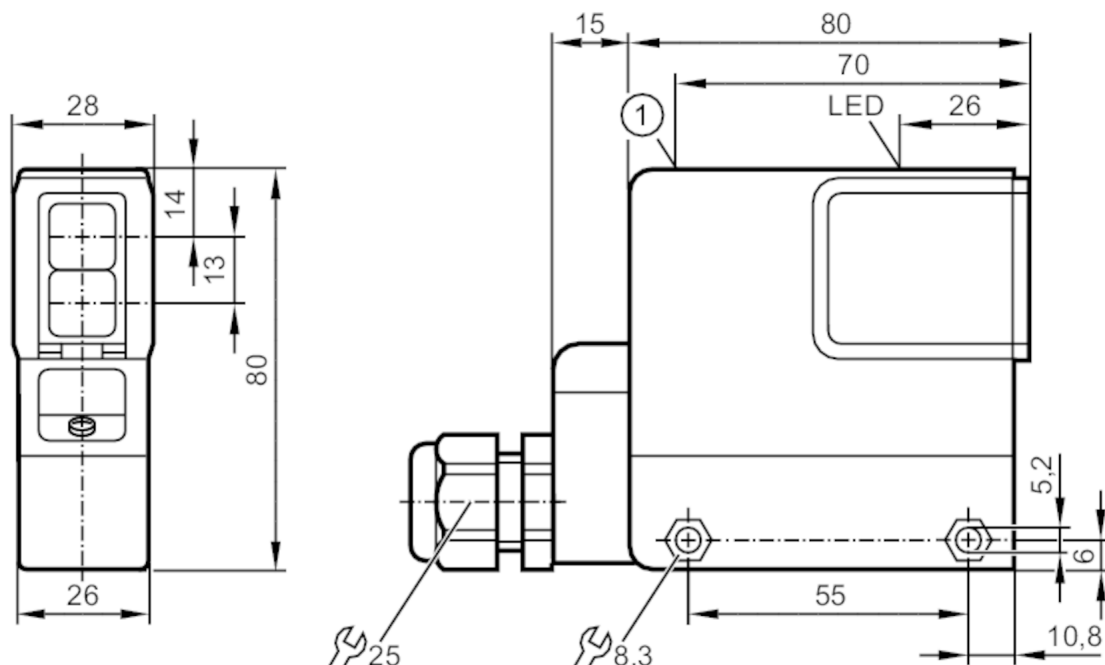




Diffuse reflection sensor

OSN-FPKG

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

System	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; (programmable)
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



Diffuse reflection sensor

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Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Range [mm]	< 220; (white paper 200 x 200 mm)
Short ranges	yes

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Weight [g]	0.27
Housing	rectangular
Dimensions [mm]	80 x 28 x 95
Material	PPO modified
Lens material	glass
Lens alignment	Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Angle bracket: 1, E20210 screwdrivers
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Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: ...1.5 mm²; Cable gland: M20 X 1.5

Connection

