

Article discontinued as of 31.March 2016

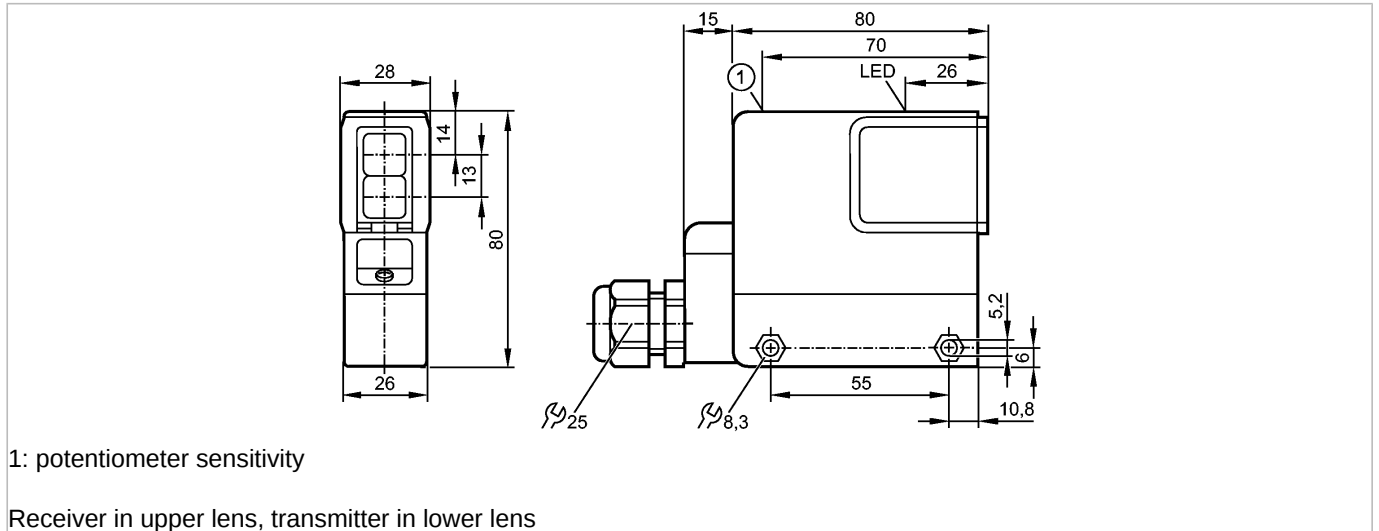
efector200

OS0032



OSN-FBOA

Photoelectric sensors



1: potentiometer sensitivity

Receiver in upper lens, transmitter in lower lens



Product characteristics

Diffuse reflection sensor

Rectangular, plastics

Terminals

Short ranges

Range 220mm (referred to white paper 200 x 200 mm)

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...250 AC/DC

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

no

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 10.5

Minimum load current [mA]

15

Leakage current [mA]

< 6

Current rating

- Current rating (continuous) [mA]

250; 350 (...50 °C)

- Current rating (peak) [mA]

î: 2.2 A (10 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25

Monitoring range

Range [mm]

220 (referred to white paper 200 x 200 mm)

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

302

Mechanical data

Housing materials

modified PPO

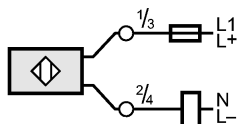
Lens material

glass

OS0032 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03

Weight	[kg]	0.263
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		terminals up to 1.5 mm ² ; cable diameter 5...10 mm, cable gland M20 x 1.5

Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

Accessories

Accessories (included)	Angle bracket; E20210; screwdriver
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Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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