

1: selection switch, pot's (under cover)

Receiver in upper lens, transmitter in lower lens



Product characteristics  
Diffuse reflection sensor

Rectangular, plastics

Connector

Function check output

Range 5...1500mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 50

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

**Current rating**

- Switching output [mA]

250

- dual output mode [mA]

100

- Function check output [mA]

10

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

300

Range

Range [mm]

5...1500 (referred to white paper 200 x 200 mm)

Environment

Ambient temperature [°C]

-25...60

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

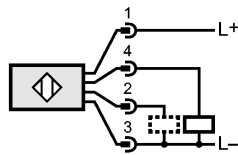
EN 55011:

class B

**OA5120 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03**

MTTF	[Years]	402
Mechanical data		
Housing materials		modified PPO
Lens material		PMMA
Weight	[kg]	0.295
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Function display	LED	Red
Electrical connection		
Connection		M12 connector

**Wiring**



2: function check

Accessories		
Accessories (included)		Angle bracket; screwdriver
Remarks		
Pack quantity	[piece]	1