



1: setting ring



Made in Germany

Product characteristics

Photoelectric distance sensor

Connector

Background suppression

Visible laser light, protection class 2 laser

setting ring

manually adjustable [cm/inch]

Measuring range 0.03...2 m

Background suppression ...20 m

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 75; @ 24 V DC

Life expectancy typ. [h]

50000

Type of light

red light 650 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

2 switching outputs
normally open / closed complementary

Current rating [mA]

2 x 100

Short-circuit protection

pulsed

Overload protection

yes

Range

Background suppression

...20 m

Light spot diameter [mm]

< 5 (Range 2 m)

Hysteresis [%]

< 5; schwarz (6 % Remission) bei max. Tastweite

Measuring / setting range

Measuring range [m]

0.03...2

Sampling rate [Hz]

33

Switching frequency [Hz]

11

Environment

Ambient temperature [°C]

-25...60, bei ta < 10 °C ist eine Aufwärmzeit notwendig, Laser ist dabei aus

Storage temperature [°C]

-30...80

Protection

IP 65 / IP 67

Tests / approvals

EMC

EN 60947-5-2

Mechanical data

Housing materials

housing: stainless steel; window: PMMA; LED window: polycarbonate; PBT (Pocan);
PC (Makrolon); FPM (Viton)

Displays / operating elements

Display

Switching status LED yellow

Operation LED green

Electrical connection

OID200 - Photoelectric distance sensor - eclass: 27270801 / 27-27-08-01

Connection		M12 connector	
Wiring			
Remarks		Caution: Laser Light Power <= 4.0 mW wavelength = 650 nm pulse 1.3 ns Do not stare into beam Avoid exposure Class 2 laser product EN 60825-1:2007-10 extraneous light on the object max.: 8 klx	
Pack quantity	[piece]	1	
Other data			