

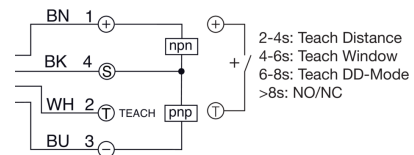
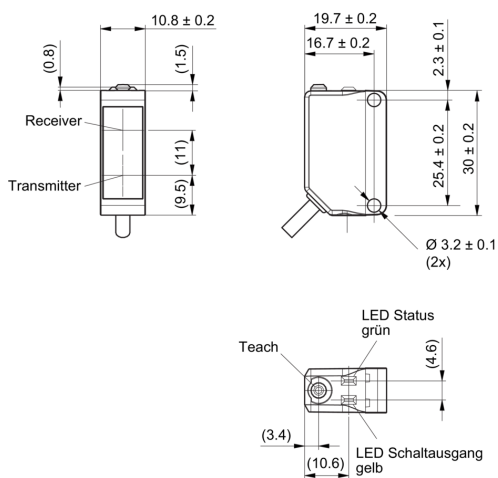


214895

OH33-LRMS-TI-G3-2C

Laser diffuse sensor with background suppression

- Compact design
- Small detection angle
- Ideal background suppression
- Laser red light with small light spot
- DD mode - simultaneous evaluation of intensity and distance
- Push-pull output with npn or npn function
- Switch for light/dark switching
- IO-Link
- Measuring function
- Sensing range and window function can be parameterized in mm



BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 30 V DC
No-load current (max.)	< 30 mA
Inverse polarity protection	Yes
Short-circuit protection	Yes

Mechanical features

Housing dimensions	31 x 20 x 11 mm
Housing length	20 mm
Housing height	31 mm
Housing width	11 mm
Housing material	Plastic
Material of cable	PVC
Material	Plastic (Window / optics)
Weight	50 g

Certifications, approvals

Protection class	III
Approvals	UL

Laser diffuse sensor with background suppression

+20°C, 24 V DC

Connection	Cable, 2.0 m, 4-pin (flying leads)
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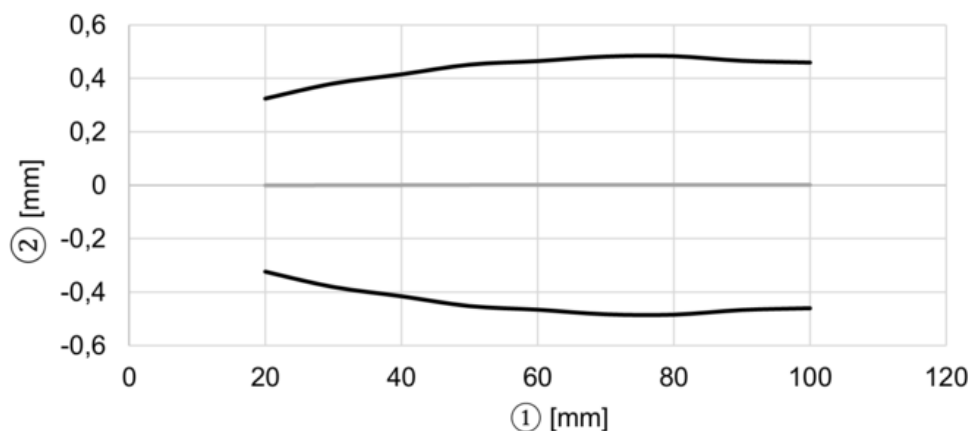


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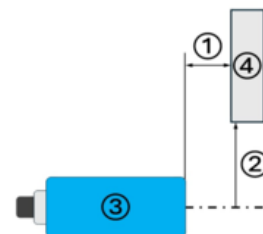
Laser diffuse sensor with background suppression

Typical detection diagram (white 90%) - Precise mode (Factory setting)

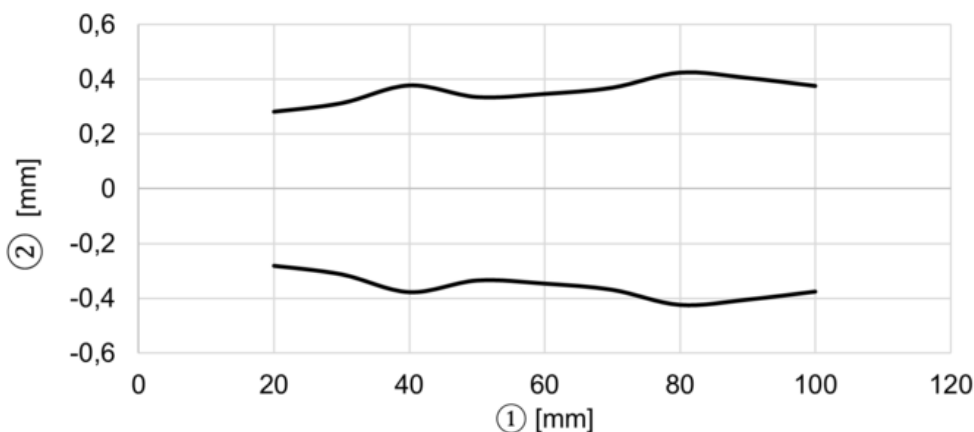


1) Distance sensor / standard target (mm)
2) Offset (mm)

3) Sensor
4) Standard target

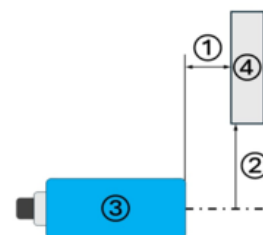


Typical detection diagram (white 90%) - Fast mode



1) Distance sensor / standard target (mm)
2) Offset (mm)

3) Sensor
4) Standard target



More information / accessories

<https://www.di-soric.com/214895>