

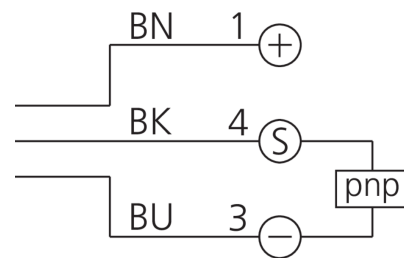
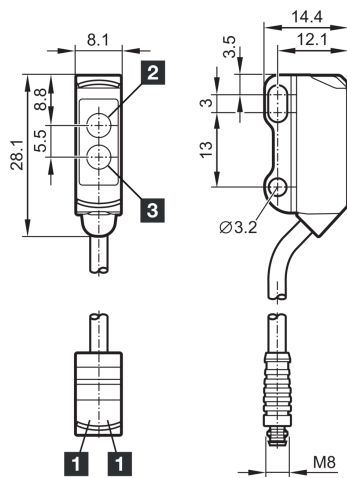


212979

OH21-80PS-0.3T3

Retroreflective diffuse sensors with background suppression

- Miniature design
- Mounting element made of metal
- High switching frequency
- Ideal background suppression
- Scanning range preset
- IO-Link
- Measuring function
- Scanning range parameterizable in mm



- 1) LED
2) Receiver

- 3) Transmitter

BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 30 V DC
No-load current (max.)	20 mA
Inverse polarity protection	Yes

Mechanical features

Housing dimensions	28.1 x 14.4 x 8.1 mm
Housing length	14.4 mm
Housing height	28.1 mm
Housing width	8.1 mm
Housing material	Stainless steel / Plastic
Material of cable	PVC
Material	Plastic (Window / optics)
Weight	21 g

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL


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OH21-80PS-0.3T3
Retroreflective diffuse sensors with background suppression
Technical data (typ.)
+20°C, 24 V DC
General features

Operating principle	Diffuse sensor with background suppression
Evaluation	digital
Design	Cuboid design

Output, input, interface

Switching output	pnp, 100 mA, NO/NC, configurable
Voltage drop (max.)	2.5 V
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)

Optical data

Light source	LED (ClockeD)
Color	Red
Wavelength	633 nm
Background suppression	Yes
Light spot size	Ø 4.0 mm (at distance of 80 mm)

Detection range, measuring range, tolerance limits

Range	1 ... 80 mm (Factory setting, adjustable maximum 80 mm)
Adjustment range sensing distance	10 ... 80 mm
Standardized measuring plate	200 x 200 mm (white)

Display, operation

Sensitivity adjustment	IO-Link
Display	LED green - Status, yellow - Switching output

Time behavior

Switching frequency	1000 Hz
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Ambient conditions

Ambient temperature during operation	-25 ... +60 °C
Protection type	IP 65 / IP 67

Electrical connection

Connection	Pigtail, 0.3 m, M8, 3-pin
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Accessories

Connection cable	TK ...
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More information / accessories
<https://www.di-soric.com/212979>