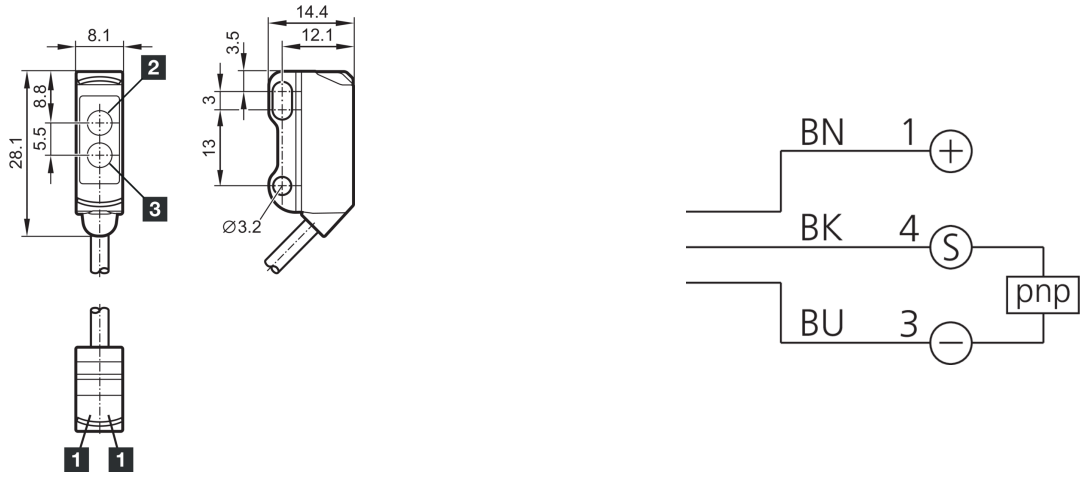
212977
OH21-80PS-2C
Retroreflective diffuse sensors with background suppression

- 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

IO-Link

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
Short-circuit 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	37 g
Certifications, approvals	
Protection class	III, operation on protective low voltage
Approvals	UL

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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
Ambient conditions	
Ambient temperature during operation	-25 … +60 °C
Protection type	IP 65 / IP 67
Electrical connection	
Connection	Cable, 2.0 m, 3-pin

More information / accessories	https://www.di-soric.com/212977

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