

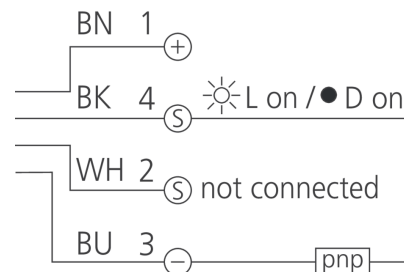
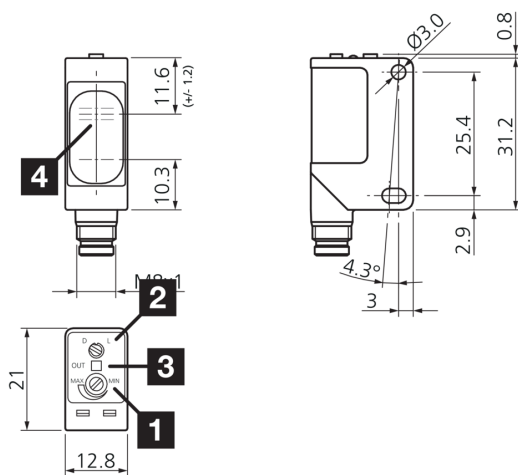


209233

OH 30 K 400 P3-T4

Diffuse sensor with background suppression

- Very good color independence
- Mechanical background suppression
- Compact design
- Infrared light
- Sensitivity is adjustable
- Switch for light/dark switching
- High scanning range
- Standardized hole spacing 25.4 mm



1) sensitivity
2) NO/ NC

3) LED OUTPUT
4) Optical axis

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Service voltage	10 ... 30 V DC
No-load current (max.)	45 mA
Insulation voltage endurance	1000 V
Housing dimensions	31.2 x 21 x 12.8 mm
Housing length	21 mm
Housing height	31.2 mm
Housing width	12.8 mm
Housing material	Plastic (PA, 6.6)
Material	PMMA (Window)
Protection class	III, operation on protective low voltage
Operating principle	Diffuse sensor with background suppression
Evaluation	digital
Design	Cuboid design
Switching output	pnp, 100 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Light source	LED
Color	Infrared
Wavelength	850 nm
Modulation	Clocked


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Diffuse sensor with background suppression

Technical data (typ.)	+20°C, 24 V DC
Background suppression	Yes
Ambient light immunity	3 kLx Halogen light, 10 kLx Sunlight
Switching distance	adjustable
Range	30 ... 400 mm
Standardized measuring plate	200 x 200 mm (white)
Switching hysteresis (max.)	10 %
Sensitivity adjustment	Potentiometer
Switching frequency	1000 Hz
Response time	0.50 ms
Release time	0.50 ms
Ambient temperature during operation	-25 ... +70 °C
Temperature drift	0.4 mm/K
Protection type	IP 67
Connection	Connector, M8, 4-pin
Connection cable	TK ... /4
More information / accessories	https://www.di-soric.com/209233