

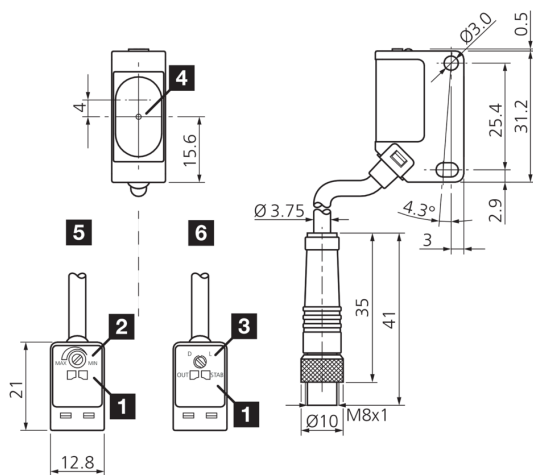
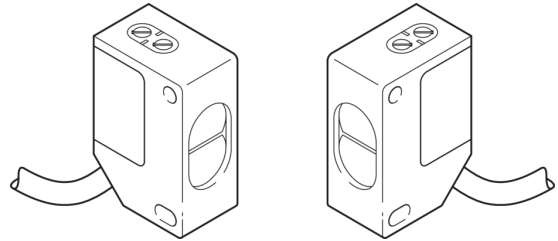


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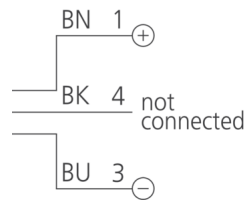
OES 31 K 20000 P3-K-T3

Through-beam sensor, transmitter / receiver

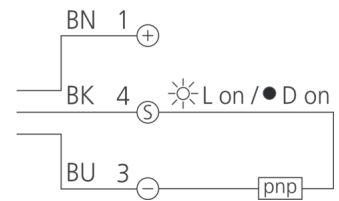
- Set includes transmitter and receiver
- Long range
- Compact design
- Red light
- Sensitivity is adjustable
- Switch for light/dark switching
- Fully molded electronic circuitry, vibration-resistant
- Standardized hole spacing 25.4 mm



Sender / Transmitter



Empfänger / Receiver



- 1) LED
- 2) Potentiometer transmission power
- 3) NO/ NC

- 4) Optical axis
- 5) Transmitter
- 6) Receiver

BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Service voltage	10 ... 30 V DC
No-load current (max.)	35 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	Through-beam sensor
Evaluation	digital
Design	Cuboid design
Consisting of	Transmitter and Receiver
Switching output	pnp, 100 mA, NO/NC, switchable (receiver)
Voltage drop (max.)	2 V
Light source	LED
Color	red
Wavelength	630 nm


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OES 31 K 20000 P3-K-T3
Through-beam sensor, transmitter / receiver

Technical data (typ.)		+20°C, 24 V DC
Modulation		Clocked
Ambient light immunity		3 kLx Halogen light, 10 kLx Sunlight
Range		0 ... 20000 mm
Switching hysteresis (max.)		10 %
Sensitivity adjustment		Potentiometer
Switching frequency		2000 Hz
Response time		0.25 ms
Release time		0.25 ms
Ambient temperature during operation		-25 ... +70 °C
Temperature drift		20 mm/K
Protection type		IP 67
Connection		Pigtail, 0.2 m, M8, 3-pin
Connection cable		TK ...
More information / accessories		https://www.di-soric.com/209222