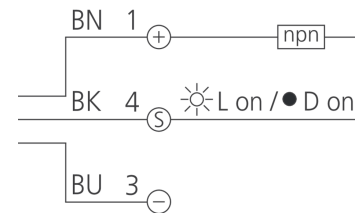
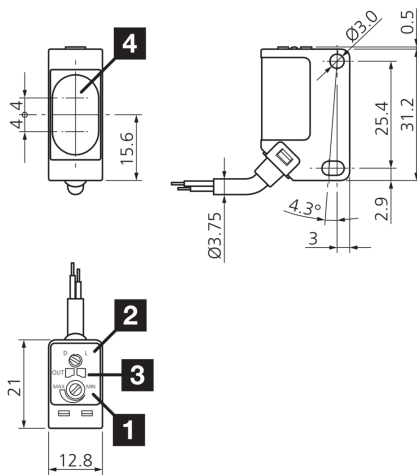
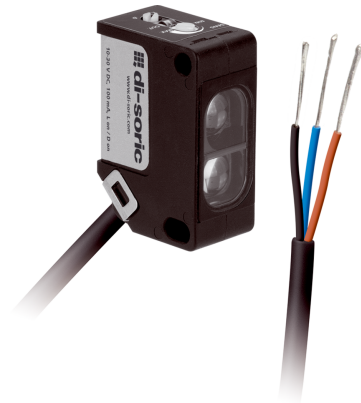




209253 OR 31 K 5000 N3-3 Retroreflective sensor

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



1) sensitivity
2) NO/ NC

3) LED
4) Optical axis

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.)	30 mA
Insulation voltage endurance	500 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	Retroreflective sensor
Evaluation	digital
Design	Cuboid design
Switching output	nnp, 100 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Light source	LED
Color	red
Wavelength	630 nm
Modulation	Clocked



209253
OR 31 K 5000 N3-3
Retroreflective sensor

Technical data (typ.)		+20°C, 24 V DC
Ambient light immunity		3 kLx Halogen light, 10 kLx Sunlight
Range		20 ... 5000 mm
Referring reflector		Ø 84 mm, R 84
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		1.5 mm/K
Protection type		IP 67
Connection		Cable, 2.0 m, 3-pin (flying leads)
More information / accessories		https://www.di-soric.com/209253