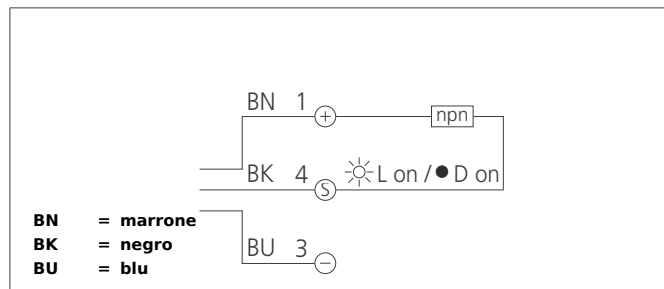


OR 31 K 5000 N3-3

Retroreflective Sensor

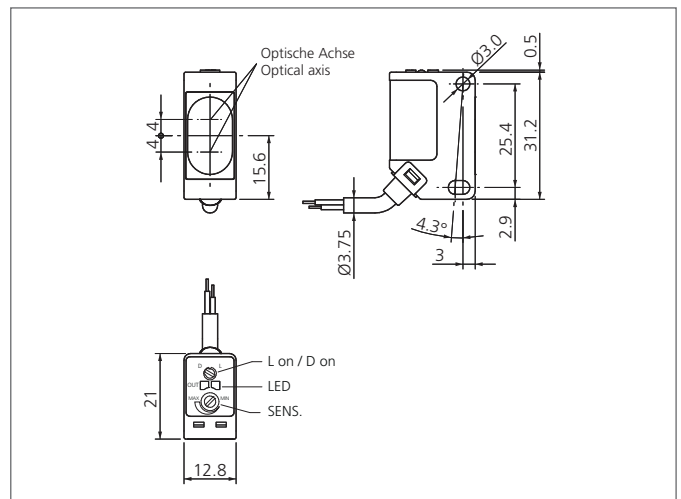


- Compact design
- Red light
- Sensitivity adjustable
- Light/dark switching switchable
- High operating distance
- Fully encapsulated electronic circuitry, vibration-resistant
- Standardized hole spacing 25.4 mm



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments. These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Retroreflective sensor
Evaluation		digital
Size		31.2 x 21 x 12.8 (Dimensions)
Design		cuboid design
Emitted light		Red, 630 nm, clocked
Operating distance		20 ... 5000 mm adjustable
Service voltage		10 ... 30 V DC
No-load current		< 30 mA
Sensitivity adjustment		potentiometer
Referring reflector		Ø 84 mm, R 84
Switching output		npn, 100 mA, NO/NC, switchable
Switching hysteresis		< 10 %
Shock/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Voltage drop		< 2,0 V
Switching frequency		2000 Hz
Response-/release time		0,25 ms / 0,25 ms
Ambient temperature, operation		-25 ... +70 °C
Temperature drift		5 mm/K
Ambient light immunity		3 kLx, Halogen light, 10 kLx, Sunlight
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		plastics (polyamide - PA 6.6)
Material		polymethyl methacrylate (Window)

OR 31 K 5000 N3-3

Retroreflective Sensor



TECHNICAL INFORMATION (typ.)

Connection

+20°C, 24V DC

Cable, 2,0 m, 3-poled, flying leads