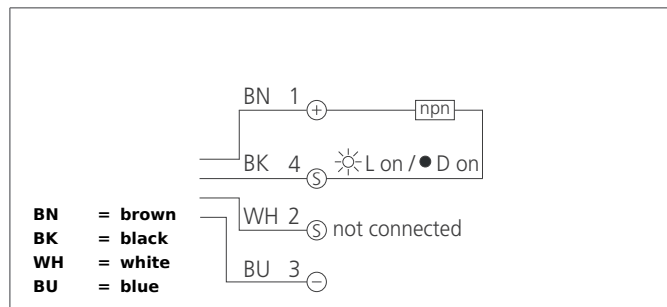


OR 31 K 1500 N3-T4

Retroreflective Sensor



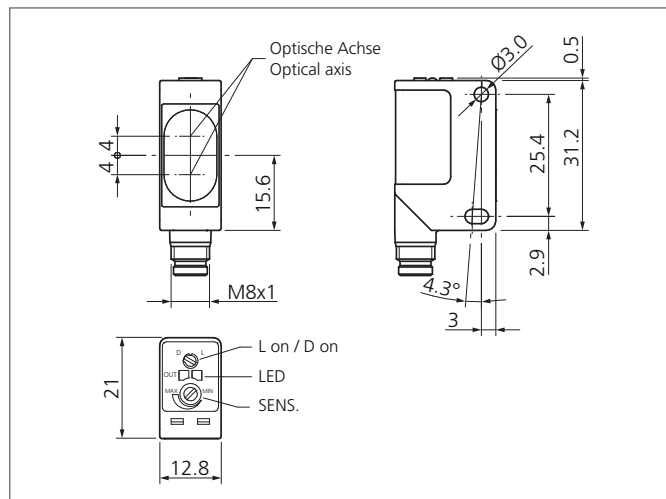
- Detection of transparent objects
- Compact design
- Red light
- Sensitivity adjustable
- Light/dark switching switchable
- High operating distance
- Fully encapsulated electronic circuitry, vibration-resistant
- Standardized hole spacing 25.4 mm



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.)	
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	50 ... 1500 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	1.5 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 1500 N3-T4

Retroreflective Sensor



TECHNICAL INFORMATION (typ.)

Connection

+20°C, 24V DC

Connector, M8, 4-poled