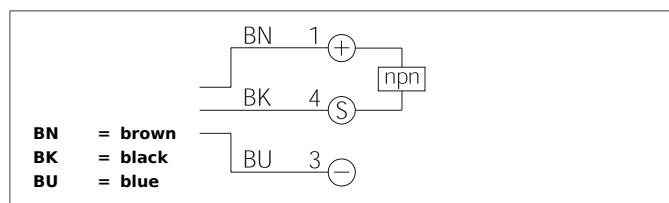


OTV 51 M 150 N3K-IBS

Diffuse Sensor



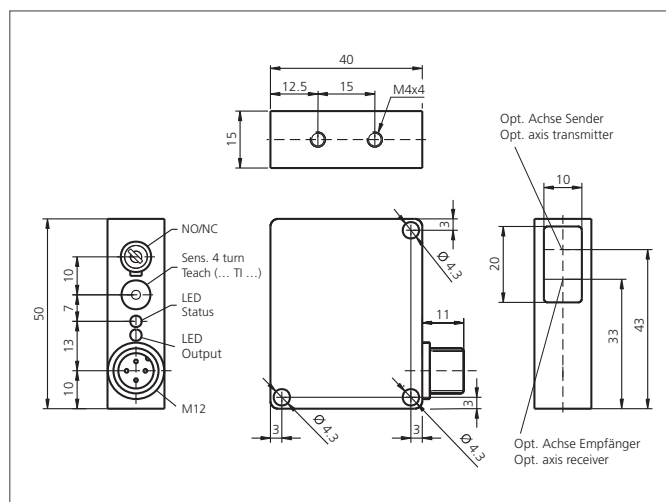
- Red light
- 4-turn potentiometer
- Bright LED
- Dark-/light switching, push-pull
- Functional reserve indicator/contamination indicator
- Robust metal casing



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	Diffuse reflective sensor
Evaluation	digital
Size	50 x 40 x 15 mm (Dimensions)
Design	cuboid design
Emitted light	Red, 660 nm, clocked
Standardized measuring plate	200 x 200 mm, white, (90 % reflexion)
Service voltage	10 ... 35 V DC
No-load current	< 40 mA
background suppression	no
Operating distance	15 ... 150 mm
Sensitivity adjustment	potentiometer
Switching output	npn, 200 mA, NO/NC, switchable
Switching hysteresis	< 12 %
Voltage drop	< 2,0 V
Switching frequency	1000 Hz
Response-/release time	0,50 ms / 0,50 ms
Reproducibility	< 1 %
Ambient temperature, operation	-10 ... +60 °C
Temperature drift	0,3 %/K
Ambient light immunity	10 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage

OTV 51 M 150 N3K-IBS

Diffuse Sensor



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Casing material		Die-cast zinc black lacquered finish
Material		polymethyl methacrylate (Window)
Connection		Connector, M12, 3-poled