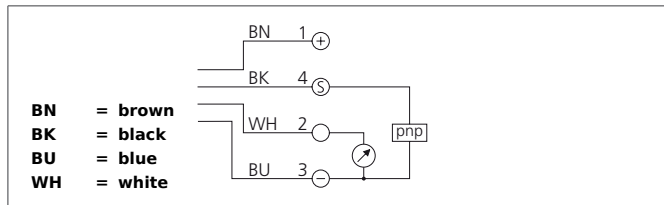


# OGU 050/20 IP3K-IBS Fork Light Barrier, analog

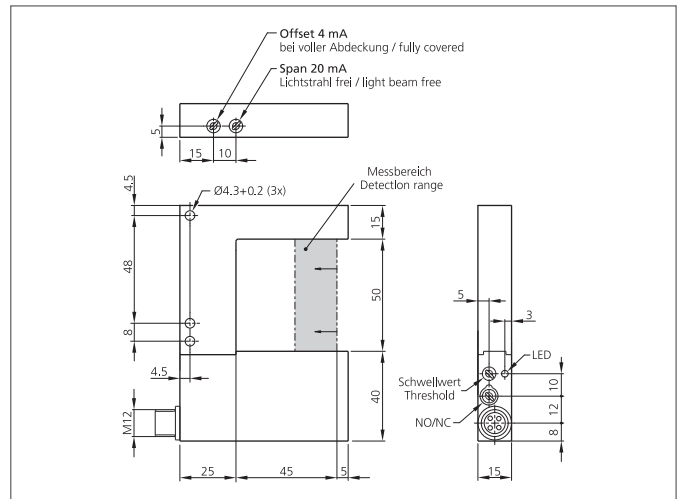


- Analog output
- IR-light
- Metal casing
- LED integrated in housing



## 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	Optical
Evaluation	analog
Size	105 x 75 x 15 mm (Dimensions)
Design	fork
Fork opening	50 mm
Branch length inside	50 mm
Emitted light	Infrared, clocked
Service voltage	15 ... 35 V DC (Supply Class 2)
No-load current	< 80 mA
Detection range	20 mm
Resolution	Ø 0,5 mm
Sensitivity adjustment	potentiometer
Switching output	pnp, 200 mA, NO/NC, switchable
Switching hysteresis	< 10 %
Analog output	4 ... 20 mA
Shock-/vibration load	10 ... 55 Hz / 1,0 mm / 30 g
Voltage drop	< 2,8 V
Switching frequency	2000 Hz, (depending on the threshold value set)
Reproducibility	0,05 mm
Linearity error	5%
Ambient temperature, operation	+5 ... +50 °C
Ambient light immunity	10 kLx
Insulation voltage endurance	500 V

# OGU 050/20 IP3K-IBS

## Fork Light Barrier, analog



<b>TECHNICAL INFORMATION (typ.)</b>	<b>+20°C, 24V DC</b>
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	Aluminium black anodized
Connection	Connector, M12, 4-poled
Note	For a proper function we recommend to use shielded connecting cables, the shielding has to be connected to PE.