

**OG991417****OPTICAL SENSORS • FORK LIGHT BARRIERS**

Special design of through-beam sensor. Transmitter and receiver are located in the fork or angular limbs and are perfectly aligned to each other.

**MECHANICAL DATA**

Ambient temperature	-20 °C ... 80 °C
Degree of protection (IP)	IP67
Fork depth	30 mm
Fork light barrier design	Furcate
Fork width	20 mm
Housing design	Cuboid
Housing material	Aluminium
Reflector included in the scope of delivery	No
Sensor height	47 mm
Sensor length	8 mm
Sensor width	47.5 mm

**ELECTRICAL DATA**

Analogue output 0 mA ... 20 mA	No
Analogue output 0 V ... 10 V	No
Analogue output -10 V ... +10 V	No
Analogue output 4 mA ... 20 mA	No
Connection to amplifier	Yes
Max. switching distance	20 mm
Number of pins	5
Pre-failure message	No
Reverse polarity protection	Yes
Scanning function	Light-/dark-on mode
Short-circuit-proof	Yes
Suitable for safety functions	No
Type of electrical connection	Plug-in connection
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP/NPN
Type of the forked light barrier	Standard
Voltage type	DC

## ELECTRICAL DATA

With communication interface, analog	No
With communication interface, AS-Interface	No
With communication interface, CANOpen	No
With communication interface, DeviceNet	No
With communication interface, Ethernet	No
With communication interface, INTERBUS	No
With communication interface, PROFIBUS	No
With communication interface, RS-232	No
With communication interface, RS-422	No
With communication interface, RS-485	No
With communication interface, SSD	No
With communication interface, SSI	No
With monitoring function of downstream devices	No
With other analog output	No
With restart lock	No
With time function	No

## OPTICAL DATA

Light source	Infrared light
Min. object size	0.01 mm
Resolution	10 µm
Wavelength of the sensor	905 nm

## OTHER DATA

Feeding technology	Yes
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## DIMENSIONAL DRAWING

### INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

### DISPOSAL



## SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!