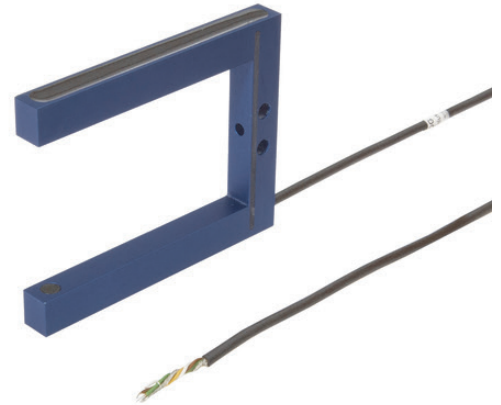


**OGSI0315**

**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
Aperture diameter	1 mm
Cable length	0.5 m
Degree of protection (IP)	IP67
Fork depth	60 mm
Fork light barrier design	Furcate
Fork width	40 mm
Heavy soiling	Yes
Housing design	Cuboid
Housing material	Aluminium
Material of cable sheath	Other
Material of optical surface	Glass
Punching tools	Yes
Sensor height	59 mm
Sensor length	74.5 mm
Sensor width	8 mm

**ELECTRICAL DATA**

Connection to amplifier	Yes
Max. switching distance	40 mm
Rated switching distance	40 mm
Repeatability +/-	10 µm
Type of electrical connection	Cable
Type of the forked light barrier	Increased soiling reserve
Voltage type	DC

**OPTICAL DATA**

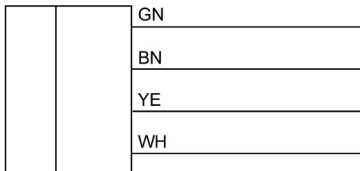
Laser protection class	None
Light beam form	Point
Light source	Infrared light clocked
Light spot	1 mm <sup>2</sup>

**OPTICAL DATA**

Min. object size	0.2 mm
Resolution	200 µm
Wavelength of the sensor	905 nm

**OTHER DATA**

Feeding technology	Yes
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**CONNECTION**

**Colors:** GN (green), BN (brown), YE (yellow), WH (white)

**Functions:** GN = transmitter anode, BN = receiver collector, YE = transmitter cathode, WH = receiver emitter

**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!