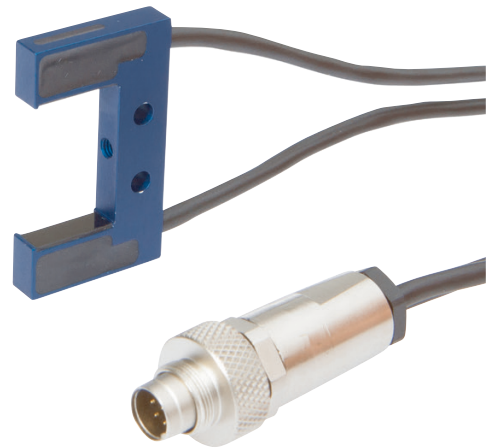


## OHSI0117

### OPTICAL SENSORS • FRAME LIGHT BARRIERS

Frame and ring light barriers operate according to the principle of a through-beam sensor. Within the housing there is a variety of transmitter and receiver elements that form a light curtain and thus detect various objects. Application examples for these systems are ejection control of presses, presence monitoring or length measurements of wires or tubes.



#### MECHANICAL DATA

Active zone height	10 mm
Active zone width	20 mm
Ambient temperature (MAX)	60 °C
Ambient temperature (MIN)	-20 °C
Degree of protection (IP)	IP67
Frame opening, crosswise	20 mm
Frame opening, lengthwise	13 mm
Housing design	Cuboid
Housing design	Frame-shaped
Housing material	Aluminium
Material of cable sheath	PUR (Polyurethane)
Number of wires	4
Reflector included in the scope of delivery	No
Sensor height	36 mm
Sensor length	5 mm
Sensor width	21 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
Operating voltage (MAX)	32 V
Operating voltage (MIN)	12 V
Reverse polarity protection	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Suitable for safety functions	No
Type of electrical connection	Cable
Voltage type	DC

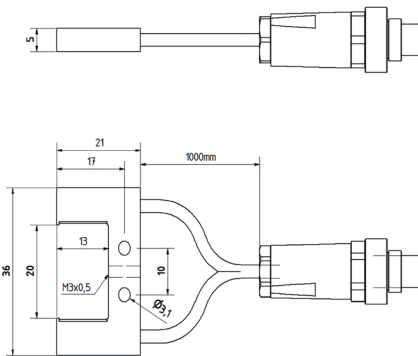
## ELECTRICAL DATA

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 time function	No

## OPTICAL DATA

Light source	Infrared light
Min. object size	0.2 mm
Resolution, dynamic	0.2
Resolution, static	0.2
Wavelength of the sensor	880 nm

## 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!

Never use these devices in applications where the safety of a person depends on their functionality.