

OHLE0170**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	242 mm
Active zone width	250 mm
Ambient temperature	0 °C ... 60 °C
Constructive design	One-piece
Degree of protection (IP)	IP67
Frame opening, crosswise	250 mm
Housing design	Cuboid
Housing design	Frame-shaped
Housing material	Aluminium
Material of optical surface	PMMA
Reflector included in the scope of delivery	No
Sensor height	290 mm
Sensor length	20 mm
Sensor width	303 mm
With compressed air connection	Yes
With mechanical impact protection	Yes

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
Max. output current	200 mA
No-load current	45 mA
Number of pins	3
Operating voltage (MAX)	26 V
Pulse stretching	150 ms
Pulse stretching	0.1 ms
Rated control supply voltage U_s at DC	22 V ... 26 V
Reaction time	0.1 ms
Reverse polarity protection	Yes

ELECTRICAL DATA

Setting procedure

Manual adjustment

Short-circuit-proof

Yes

Suitable for safety functions

No

Type of electrical connection

Connector M8

Type of switching function

Normally open contact (NO)

Type of switching output

PNP

Voltage type

DC

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 LED display

Yes

With monitoring function of downstream devices

No

With other analog output

No

With time function

Yes

OPTICAL DATA

Light source

Infrared light

Min. object size

8 mm

Wavelength of the sensor

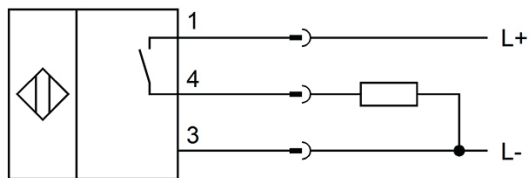
880 nm

OTHER DATA

Version

Dynamic

CONNECTION



Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING

INSTALLATION

DISPOSAL



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

**SAFETY WARNINGS**

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