

OYSI0222

OPTICAL SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS

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

Ambient temperature	-20 °C ... 60 °C
Cable length	1 m
Degree of protection (IP)	IP67
Housing coating	Anodised
Housing design	Cuboid
Housing material	Aluminium
Reflector included in the scope of delivery	No
Sensor height	11 mm
Sensor length	5 mm
Sensor width	43 mm
Storage temperature	85 °C
Storage temperature	-20 °C

ELECTRICAL DATA

Connection to amplifier	Yes
IO-Link compatible	No
Measuring range	0.05 m
Number of pins	8
Operating voltage	12 V ... 32 V
Rated switching distance	50 mm
Type of electrical connection	Cable
Voltage type	DC
With time function	No

OPTICAL DATA

Light beam form	Line
Light source	Infrared light
Wavelength of the sensor	880 nm

OTHER DATA

Scope of delivery of the one-way system	Transmitter
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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!