

**OESI0227**

**OPTICAL SENSORS • LIGHT CURTAINS - RECEIVERS**

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 ... 50 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing coating	Anodised
Housing material	Aluminium
Number of wires, receiver	4
Protected field height	368 mm
Sensor height	450 mm
Sensor length	22 mm
Sensor width	20 mm

**ELECTRICAL DATA**

Cascadable	No
Clock control possible	No
Equipment protection class	Protection class 3
No-load current, transmitter	175 mA
Number of pins, receiver	4
Override possible	No
Rated control supply voltage $U_s$ at DC	21.6 V ... 26.4 V
Reaction time	1 ms
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Suppression possible	No
Type of analog output	0 V ... 10 V
Type of electrical connection	Connector M12
Voltage type	DC
With monitoring function of downstream devices	No
With muting function	No
With restart lock	No

**OPTICAL DATA**

Beam spacing	16 mm
Number of beams	24
Protected field range	0.18 m
Resolution of the light curtain	16 mm

**OTHER DATA**

Explosion protection category for dust	None
Explosion protection category for gas	None
Reduced resolution	No
Scope of delivery of the one-way system	Receiver
With beam coding	No

**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!