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 (MAX)	50 °C
Ambient temperature (MIN)	-20 °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 Us at DC (MAX)	26.4 V
Rated control supply voltage Us at DC (MIN)	21.6 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

ELECTRICAL DATA

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!

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

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