

OYL2E221**OPTICAL SENSORS • LIGHT CURTAINS**

light curtain, 560x41x9mm, field height 380, resolution 20mm, Sn: 0.3-1m, 10-30V DC, Relay contact Normally open/normally closed, Connector M8 4pin/4pin, IP54, Aluminum+Plastic, With bracket mounting

**MECHANICAL FEATURES**

Ambient temperature	-25 °C ... 55 °C
Cover material	Plastic
Degree of protection (IP)	IP54
Housing material	Aluminum
Material of optical surface	Plastic
Protected field height	380 mm
Sensor height	560 mm
Sensor length	40.75 mm
Sensor width	9 mm
With bracket mounting	+

ELECTRICAL FEATURES

Cascadable	-
Clock control possible	-
Equipment protection class	Protection class 3
No-load current, receiver	90 mA
No-load current, transmitter	90 mA
Number of output contacts with signaling function	1
Number of pins, receiver	4
Number of pins, transmitter	4
Override possible	-
Rated control supply voltage U_s at DC	10 V ... 30 V
Rated switching current	100 mA
Reaction time	220 ms
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Suppression possible	+
Type of electrical connection	Connector M8
Type of switching function	Normally open/normally closed
Type of switching output	Relay contact
Voltage type	DC
With monitoring function of downstream devices	-

ELECTRICAL FEATURES

With muting function	-
With restart lock	-

OPTICAL FEATURES

Protected field range	1 m
Beam spacing	20 mm
Wavelength of the sensor	880 nm
Resolution of the light curtain	20 mm
Number of beams	16
Min. distance	0.3 m

OTHER FEATURES

Explosion safety category for dust	None
Explosion safety category for gas	None
Reduced resolution	-
Scope of delivery of the one-way system	Transmitter and receiver
With beam coding	+

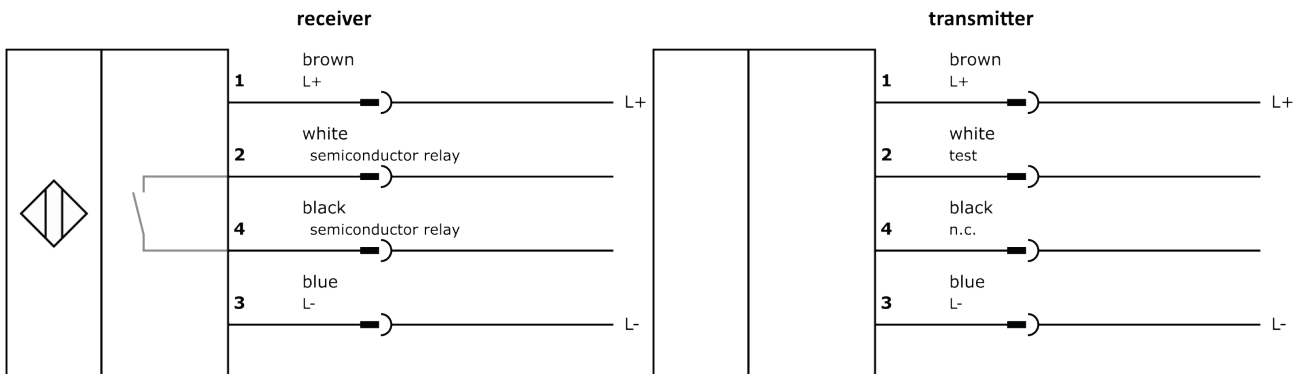
Other

Packaging dimensions	80mm x 70mm x 630mm
Shipping weight	0.57kg
Tariff code	85365019

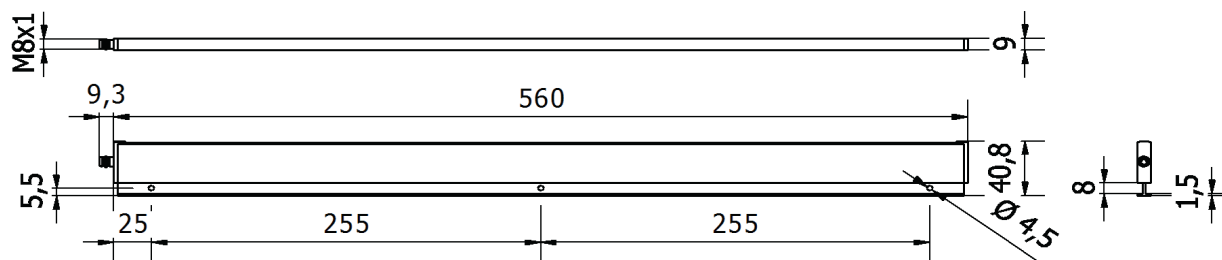
Classification

ipf product group	700
eClass 8.0	27270910
eClass 9.0	27270910
eClass 9.1	27270910
ETIM-5.0	EC002549
ETIM-6.0	EC002549
ETIM-7.0	EC002549

Connection



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.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.