

**OYL20870****OPTICAL SENSORS • LIGHT CURTAINS**

light curtain, 320x41x9mm, field height 140, resolution 20mm, Sn: 0.3-5m, 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	140 mm
Sensor height	320 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	60 mA
No-load current, transmitter	60 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

5 m

Beam spacing

20 mm

Wavelength of the sensor

880 nm

Resolution of the light curtain

20 mm

Number of beams

8

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

85.0mm x 70mm x 365.0mm

Shipping weight

0.36kg

Tariff code

85365019

## Classification

ipf product group

100

eClass 8.0

27270910

eClass 9.0

27270910

eClass 9.1

27270910

ETIM-5.0

EC002549

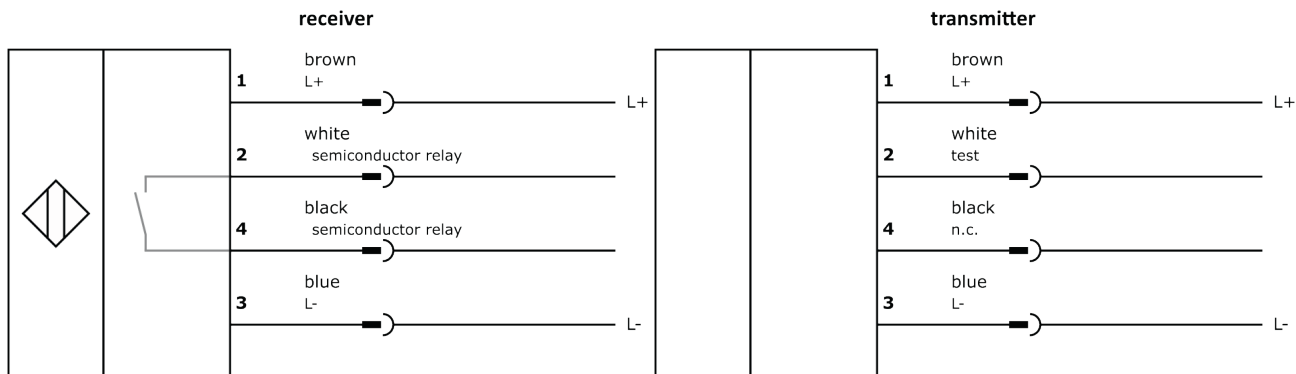
ETIM-6.0

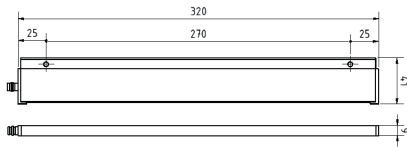
EC002549

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.