OYL21670

OPTICAL SENSORS • LIGHT CURTAINS

light curtain, 480x41x9mm, field height 300, 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	300 mm
Sensor height	480 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 Us 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	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	+

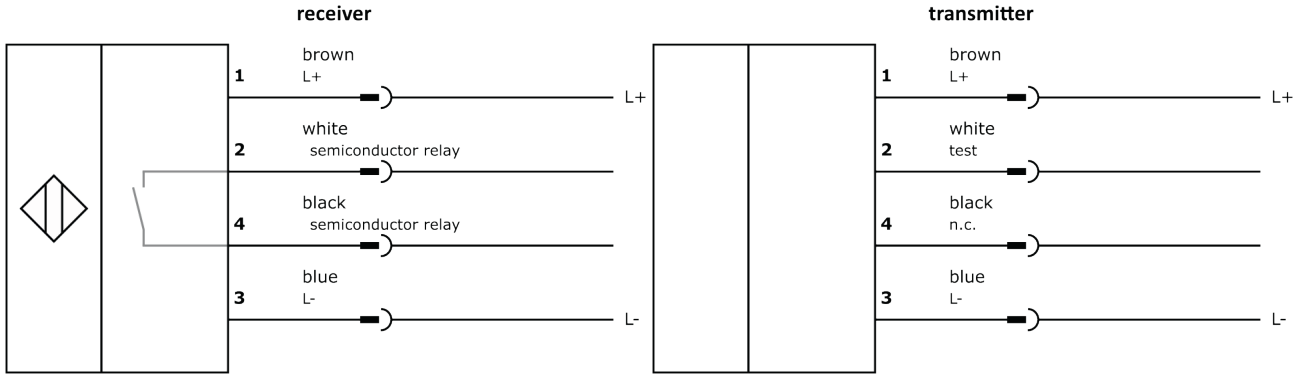
Other

Packaging dimensions	70mm x 70mm x 500mm
Shipping weight	0.51kg
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.