

OY98A061

OPTICAL SENSORS • LIGHT CURTAINS

light curtain, 30x10x140mm, field height 100, resolution 10mm, Sn: 0.17-1m, 12-24V DC, PNP NC/NO, Cable 4pin/3pin 2m, IP67, Aluminum Anodised



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 55 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing coating	Anodized
Housing material	Aluminum
Number of cores	3
Number of cores, receiver	4
Protected field height	100 mm
Sensor height	30 mm
Sensor length	10 mm
Sensor width	140 mm
Wire cross section	0.3 mm ²

ELECTRICAL FEATURES

Cascadable	-
Clock control possible	-
Equipment protection class	Protection class 3
No-load current, receiver	100 mA
No-load current, transmitter	80 mA
Number of pins, receiver	4
Number of pins, transmitter	3
Number of semiconductor outputs with signaling function	2
Override possible	-
Rated control supply voltage U_s at DC	12 V ... 24 V
Rated switching current	100 mA
Reaction time	10 ms
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Suppression possible	-
Type of electrical connection	Cable
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP

ELECTRICAL FEATURES

Voltage type	DC
With monitoring function of downstream devices	-
With muting function	-
With restart lock	-

OPTICAL FEATURES

Protected field range	1 m
Beam spacing	10 mm
Wavelength of the sensor	880 nm
Resolution of the light curtain	10 mm
Number of beams	11
Min. distance	0.17 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	-

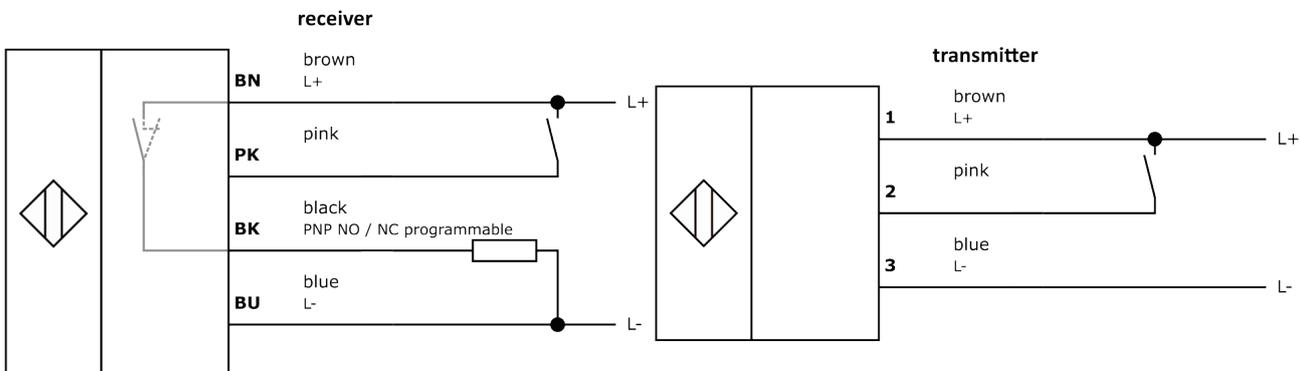
Other

Packaging dimensions	124.0mm x 28.0mm x 149.0mm
Shipping weight	0.2kg
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.