

## PG50E122

### LASER SENSORS • FORKED LIGHT BARRIER

sensor laser, fork, 66x8x60mm, fork width 50mm, Anschluss an Verstärker, Connector M8, IP67, Aluminum+Glass, Red light



#### MECHANICAL FEATURES

Ambient temperature	0 °C ... 50 °C
Aperture diameter	0.3 mm
Degree of protection (IP)	IP67
Design	Cuboid
Diameter detection	+
Fork depth	50 mm
Fork light barrier design	Furcate
Fork width	50 mm
Housing material	Aluminum
Installation bracket	-
Material of optical surface	Glass
Sensor height	66 mm
Sensor length	8 mm
Sensor width	59.5 mm

#### ELECTRICAL FEATURES

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	+
Dynamic switching output	-
Equipment protection class	Protection class 3
Measurement of light beam coverage	+
No-load current	70 mA
No-load current, receiver	20 mA
No-load current, transmitter	50 mA
Number of pins of receiver connection	4
Number of pins of receiver connection	3
Number of pins of transmitter connection	3
Number of pins of transmitter connection	4
Type of electrical connection	Connector M8
Type of electrical connection, receiver	Connector M8
Type of electrical connection, transmitter	Connector M8
Type of the forked light barrier	Standard

## ELECTRICAL FEATURES

With communication interface, analog	-
With communication interface, RS-232	-
With other analog output	+
With time function	-

## OPTICAL FEATURES

Light spot	0.07 mm <sup>2</sup>
Min. object size	0 mm
Resolution	3 μm
Light beam form	Point
Laser class	Class 1

## OTHER FEATURES

Feeding technology	+
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## Other

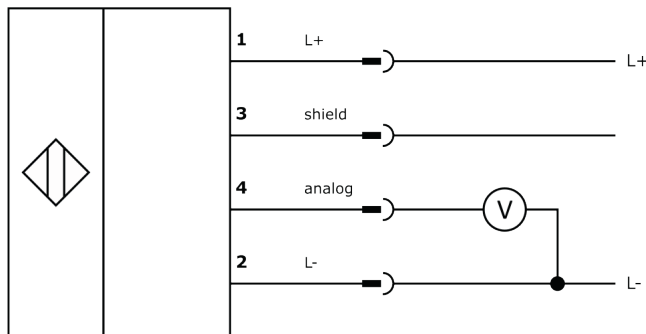
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.06kg
Tariff code	85365019

## Classification

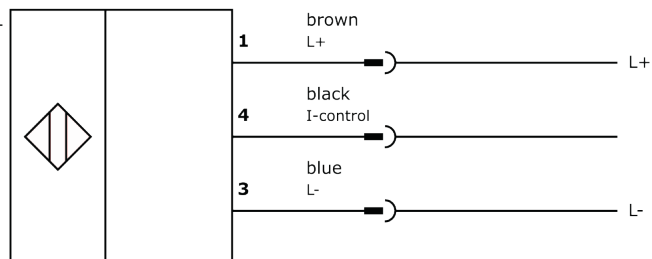
ipf product group	705
eClass 8.0	27270909
eClass 9.0	27270909
eClass 9.1	27270909
ETIM-5.0	EC002720
ETIM-6.0	EC002720
ETIM-7.0	EC002720

## Connection

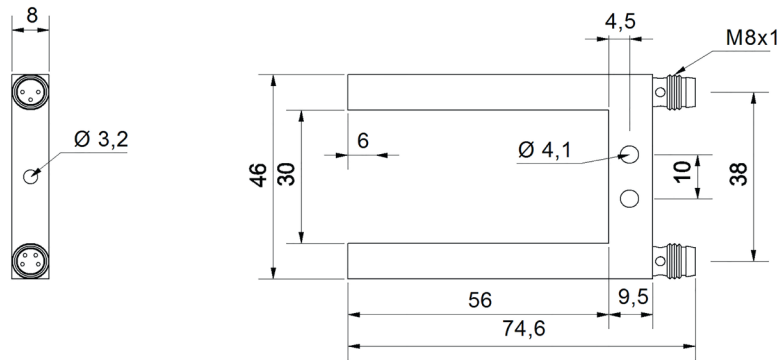
receiver (connection to amplifier)



transmitter (connection to amplifier)



**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.