

## PG400146

### Laser sensors • Forked light barrier

sensor laser, fork, 100x24x90mm, fork width 40mm, 15-30V DC, 3x Push-pull NC/NO, 4-20 mA, Plug-in connection 8pin, IP54, Aluminum+Glass, Red light, Parameterization



Special design of through-beam sensor. Transmitter and receiver are located in the fork or angular limbs and are perfectly aligned to each other.

#### Electrical features

Number of switching outputs	3
Resolution	0.008mm
Type of the forked light barrier	Standard
Type of switching function	Normally closed contact/normally open contact
Type of analog output	0 - 10V   4 - 20mA
Type of electrical connection	Plug-in connection
Type of switching output	Push-pull
Rated switching current	100mA
Setting procedure	Parameterization
No-load current	120mA
Number of pins	8
Repeatability +/-	8µm
Protection class	III
Scanning function	Light-/dark-on mode
Type of plug-in contact, communication interface	Female (socket)
Type of plug-in connection, communication interface	Connector M5
Number of pins of interface connection	4
Supported communication interface	RS232
Operating voltage (DC)	15 - 30V
Measurement of light beam coverage	Yes

**Mechanical features**

Design	Cuboid
Fork light barrier design	Furcate
Width	90mm
Fork depth	40mm
Fork width	40mm
Height	100mm
Length	24mm
Degree of protection (IP)	IP54
Active area material of sensor	glass
Housing material	Aluminum
Diameter detection	Yes
Ambient temperature	-10 - 50°C

**Optical features**

Aperture width	16mm
Aperture length	1mm
Line field width	1
Laser class	Class 1
Light source	red light
Light beam form	Line
Line field length	16
Light wavelength of the transmitter diode	670nm
Wavelength of the sensor	670nm

**Other features**

Edge control	Yes
Feeding technology	Yes
Ambient temperature	-10 - 50°C

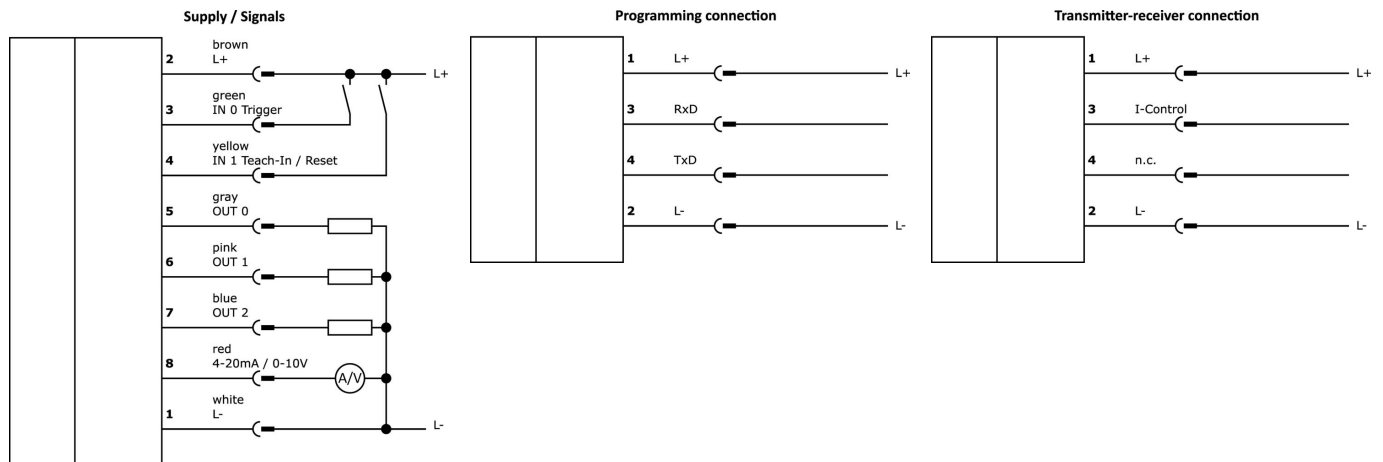
**Classification**

ETIM 8	EC002720 Fork light barrier
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**More**

IPF Product Group	165 laser line sensors
packaging dimensions	210 x 138 x 95 mm
gross weight	353 g
Customs tariff number	85365019
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

## Connection



## 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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)

**Dimensional drawing**

