

## OG700572

### Optical sensors • Forked light barriers

sensor optical, fork, 90x10x80mm, fork width 70mm, 10-30V DC, 1x PNP/NPN NC/NO, IO-Link, Connector M8 3pin, IP67, Aluminum+Glass, Red light, 5kHz pulsed, Manual adjustment



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

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| Response/decay time              | 0.1ms                                         |
| Number of switching outputs      | 1                                             |
| Resolution                       | 0.3mm                                         |
| Type of the forked light barrier | Standard                                      |
| Type of switching function       | Normally closed contact/normally open contact |
| Type of electrical connection    | Connector M8                                  |
| Type of switching output         | PNP/NPN                                       |
| Rated switching current          | 100mA                                         |
| Setting procedure                | Potentiometer                                 |
| Short-circuit protection         | Yes                                           |
| No-load current                  | 30mA                                          |
| Number of pins                   | 3                                             |
| Repeatability +/-                | 20µm                                          |
| Switching frequency              | 5000Hz                                        |
| Protection class                 | III                                           |
| Scanning function                | Light-/dark-on mode                           |
| Reverse polarity protection      | Yes                                           |
| Decay time                       | 0.1ms                                         |
| Absolute repeat accuracy         | 0.02mm                                        |
| Operating voltage (DC)           | 10 - 30V                                      |
| Output functions                 | Switching point                               |

**Mechanical features**

|                                |            |
|--------------------------------|------------|
| Design                         | Cuboid     |
| Fork light barrier design      | Furcate    |
| Width                          | 80mm       |
| Fork depth                     | 55mm       |
| Fork width                     | 70mm       |
| Height                         | 90mm       |
| Length                         | 10mm       |
| Degree of protection (IP)      | IP67       |
| Active area material of sensor | glass      |
| Housing material               | Aluminum   |
| Ambient temperature            | -25 - 60°C |

**Optical features**

|                                           |           |
|-------------------------------------------|-----------|
| Light source                              | red light |
| Light beam form                           | Point     |
| Min. object size                          | 0.3mm     |
| Light wavelength of the transmitter diode | 660nm     |
| Wavelength of the sensor                  | 660nm     |
| Pulsed light source                       | Yes       |

**Other features**

|                     |            |
|---------------------|------------|
| IO-Link version     | V1.1       |
| Feeding technology  | Yes        |
| Ambient temperature | -25 - 60°C |

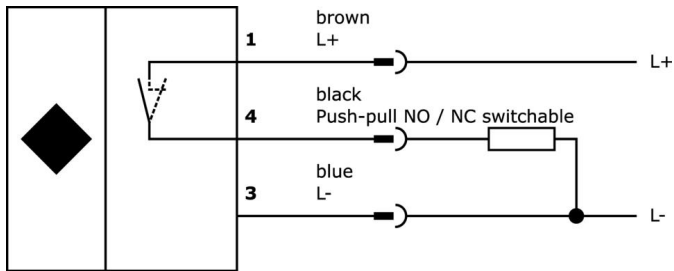
**Classification**

|        |                             |
|--------|-----------------------------|
| ETIM 8 | EC002720 Fork light barrier |
|--------|-----------------------------|

**More**

|                       |                                   |
|-----------------------|-----------------------------------|
| IPF Product Group     | 110 fork / angular light barriers |
| packaging dimensions  | 160 x 150 x 10 mm                 |
| gross weight          | 67 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

