

## OG500576

### Optical sensors • Forked light barriers

sensor optical, fork, Increased soiling reserve, 70x10x80mm, fork width 50mm, 10-30V DC, 1x PNP/NPN NC/NO, IO-Link, Connector M8 3pin, IP67, Zinc die-cast+Plastic, Infrared light, 0.2kHz 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	2.5ms
Number of switching outputs	1
Resolution	2mm
Type of the forked light barrier	Increased soiling reserve
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 +/-	30µm
Switching frequency	200Hz
Protection class	III
Voltage drop	1V
Scanning function	Light-/dark-on mode
Reverse polarity protection	Yes
Decay time	2.5ms
Absolute repeat accuracy	0.03mm
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	50mm
Height	70mm
Length	10mm
Degree of protection (IP)	IP67
Active area material of sensor	Plastic
Housing material	Zinc die-cast
Ambient temperature	-25 - 60°C

**Optical features**

Light source	Infrared light
Light beam form	Point
Min. object size	2mm
Light wavelength of the transmitter diode	860nm
Wavelength of the sensor	860nm
Pulsed light source	Yes

**Other features**

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

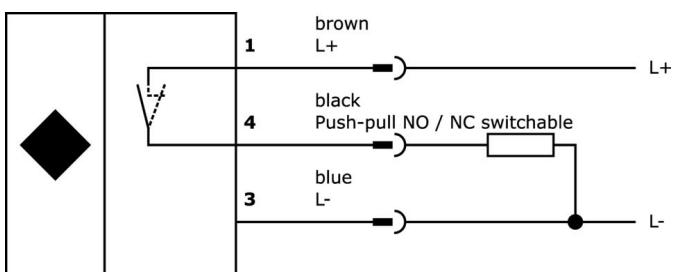
**Classification**

ETIM 8	EC002720 Fork light barrier
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**More**

IPF Product Group	110 fork / angular light barriers
packaging dimensions	160 x 150 x 10 mm
gross weight	98 g
Customs tariff number	85365019
WEEE number	40951076
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

