

## OGV40570

### Optical sensors • Forked light barriers

sensor optical, fork, adjustable, 101x10x187mm, 12-30V DC, 1x PNP/NPN NC/NO, Connector M8 3pin, IP67, Aluminum+Plastic, Infrared light, 4kHz, Parameterization

including 1x Screw, 1x Washer



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	0.12ms
Number of switching outputs	1
Resolution	1mm
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	200mA
Setting procedure	Parameterization
Short-circuit protection	Yes
No-load current	20mA
Number of pins	3
Repeatability +/-	100µm
Switching frequency	4000Hz
Protection class	III
Voltage drop	1.3V
Scanning function	Light-/dark-on mode
Reverse polarity protection	Yes
Decay time	0.12ms
Absolute repeat accuracy	0.1mm
Supported communication interface	RS232
Operating voltage (DC)	12 - 30V
Output functions	Switching point

### Mechanical features

Design	Cuboid
Fork light barrier design	Furcate
Width	187mm
Fork depth	90mm
Height	101mm
Length	10mm
Degree of protection (IP)	IP67
Adjustable fork width	5 - 145
Active area material of sensor	Plastic
Housing material	Aluminum
Heavy soiling	Yes
Ambient temperature	-10 - 60°C

### Optical features

Light source	Infrared light
Light beam form	Rhombic
Min. object size	1mm
Light wavelength of the transmitter diode	890nm
Wavelength of the sensor	890nm
Adjustable opening width	Yes

### Other features

Feeding technology	Yes
Ambient temperature	-10 - 60°C

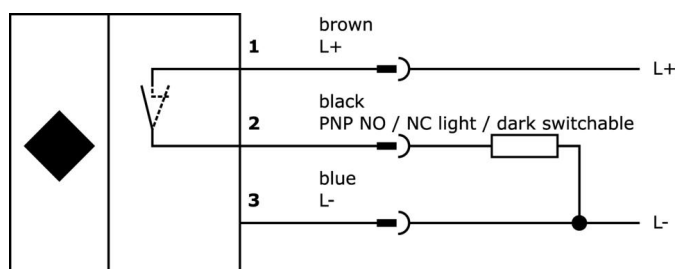
### Classification

ETIM 8	EC002720 Fork light barrier
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### More

IPF Product Group	110 fork / angular light barriers
packaging dimensions	200 x 200 x 20 mm
gross weight	87 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)