OGV30571

Optical sensors ● Forked light barriers

sensor optical, fork, adjustable, 71x10x187mm, 12-30V DC, 1x PNP/NPN NC/NO,
Connector M8 3pin, IP67, Aluminum+Plastic, Red 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	60mm
Height	71mm
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

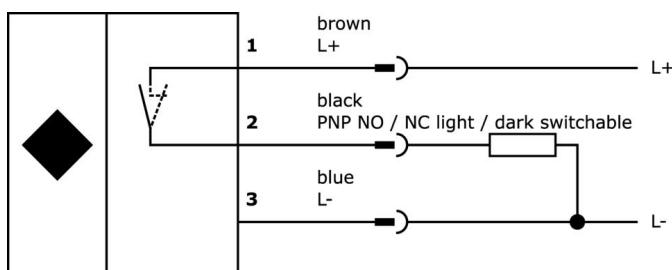|	
Light source	red light
Light beam form	Rhombic
Min. object size	1mm
Light wavelength of the transmitter diode	650nm
Wavelength of the sensor	650nm
Adjustable opening width	Yes

Other features

Feeding technology	Yes
Ambient temperature	-10 - 60°C

Classification

ETIM 8	EC002720 Fork light barrier

More

IPF Product Group	110 fork / angular light barriers
packaging dimensions	215 x 155 x 18 mm
gross weight	130 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

brown
1   L+   L+

black
2   PNP NO / NC light / dark switchable

blue
3   L-   L-

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.

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