PG208571

Laser sensors ● Forked light barrier

sensor laser, fork, 39x8x28mm, fork width 20mm, 12-30V DC, 1x PNP/NPN NC/NO, Connector M8 4pin, IP67, Aluminum+Glass, Infrared light, 25kHz

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	0.02ms
Number of switching outputs	1
Resolution	0.4mm
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
Short-circuit protection	Yes
No-load current	20mA
Number of pins	4
Repeatability +/-	10µm
Switching frequency	25000Hz
Protection class	III
Scanning function	Light-/dark-on mode
Reverse polarity protection	Yes
Decay time	0.02ms
Absolute repeat accuracy	0.01mm
Operating voltage (DC)	12 - 30V

Mechanical features

Design	Cuboid
Fork light barrier design	Furcate
Aperture diameter	0.8mm
Width	28mm
Fork depth	28mm
Fork width	20mm
Height	39mm
Length	8mm
Degree of protection (IP)	IP67
Active area material of sensor	glass
Housing material	Aluminum
Ambient temperature	-20 - 50°C

Optical features

Laser class	Class 1
Light source	Infrared light
Light beam form	Point
Min. object size	0.01mm
Light wavelength of the transmitter diode	850nm
Wavelength of the sensor	850nm

Other features

Feeding technology	Yes
Ambient temperature	-20 - 50°C

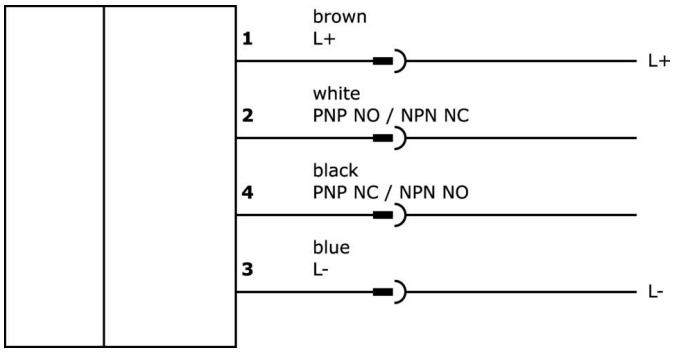
Classification

ETIM 8	EC002720 Fork light barrier

More

IPF Product Group	170 laser fork/angular light barriers
packaging dimensions	123 x 77 x 25 mm
gross weight	40 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.