

OG06E129

Optical sensors • Forked light barriers

sensor optical, fork, 22x7x26mm, fork width 6mm, 5-24V DC, 1x PNP Anticoincidence, JST 4pin, IP40, PBT+Plastic, Infrared light, 3kHz



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	0.08ms
Number of switching outputs	1
Resolution	0.96mm
Type of the forked light barrier	Standard
Type of switching function	Exclusive-OR
Type of electrical connection	JST connector
Type of switching output	PNP
Rated switching current	50mA
Absolute hysteresis	0.05mm
Short-circuit protection	Yes
No-load current	15mA
Number of pins	4
Switching frequency	3000Hz
Protection class	III
Voltage drop	2V
Scanning function	Light-/dark-on mode
Decay time	0.08ms
Absolute repeat accuracy	0.01mm
Operating voltage (DC)	5 - 24V

Mechanical features

Design	Cuboid
Fork light barrier design	Furcate
Width	26mm
Fork depth	8.4mm
Fork width	6mm
Height	22.4mm
Length	7mm
Maximum tightening torque	0.5Nm
Degree of protection (IP)	IP40
Active area material of sensor	Plastic
Housing material	PBT
Installation bracket	Yes
Ambient temperature	-25 - 55°C

Optical features

Light source	Infrared light
Light beam form	Point
Min. object size	1mm
Light wavelength of the transmitter diode	855nm
Wavelength of the sensor	855nm

Other features

Ambient temperature	-25 - 55°C
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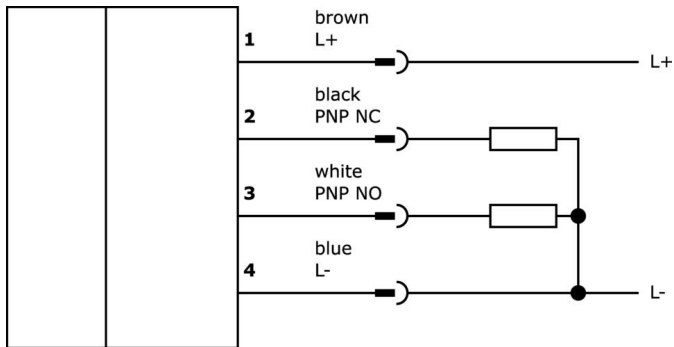
Classification

ETIM 8	EC002720 Fork light barrier
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More

IPF Product Group	110 fork / angular light barriers
packaging dimensions	120 x 100 x 10 mm
gross weight	6 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
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.

Dimensional drawing

