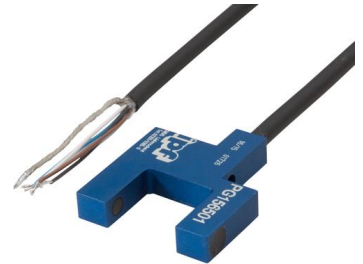


PG156501

Laser sensors • Forked light barrier

sensor laser, fork, 29x6x32mm, fork width 15mm, 12-30V DC, 1x PNP/NPN NC/NO,
Cable 4pin 1m PUR (Polyurethane), 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	0.02 ms
Number of switching outputs	1
Resolution	0.4 mm
Type of the forked light barrier	Standard
Type of switching function	Normally closed contact/normally open contact
Type of electrical connection	Cable
Type of switching output	PNP/NPN
Rated switching current	100 mA
Short-circuit protection	Yes
No-load current	20 mA
Number of pins	4
Repeatability +/-	10 µm
Switching frequency	25000 Hz
Protection class	III
Scanning function	Light-/dark-on mode
Reverse polarity protection	Yes
Decay time	0.02 ms
Absolute repeat accuracy	0.01 mm
Operating voltage (DC)	12 - 30 V

Mechanical features

Design	Cuboid
Fork light barrier design	Furcate
Aperture diameter	0.8 mm
Width	31.5 mm
Fork depth	13.5 mm
Fork width	15 mm
Height	29 mm
Cable length	1 m
Length	6 mm
Degree of protection (IP)	IP67
Active area material of sensor	glass
Housing material	Aluminum
Material of cable sheath	Plastic (PUR)
Ambient temperature	-20 - 50 °C
Line diameter	3 mm

Optical features

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

Other features

Feeding technology	Yes
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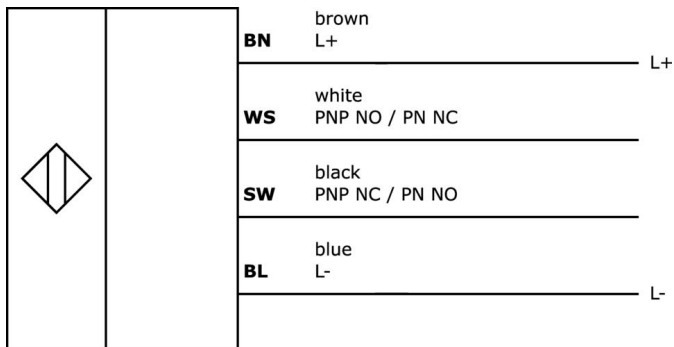
Classification

ETIM 8	EC002720 Fork light barrier
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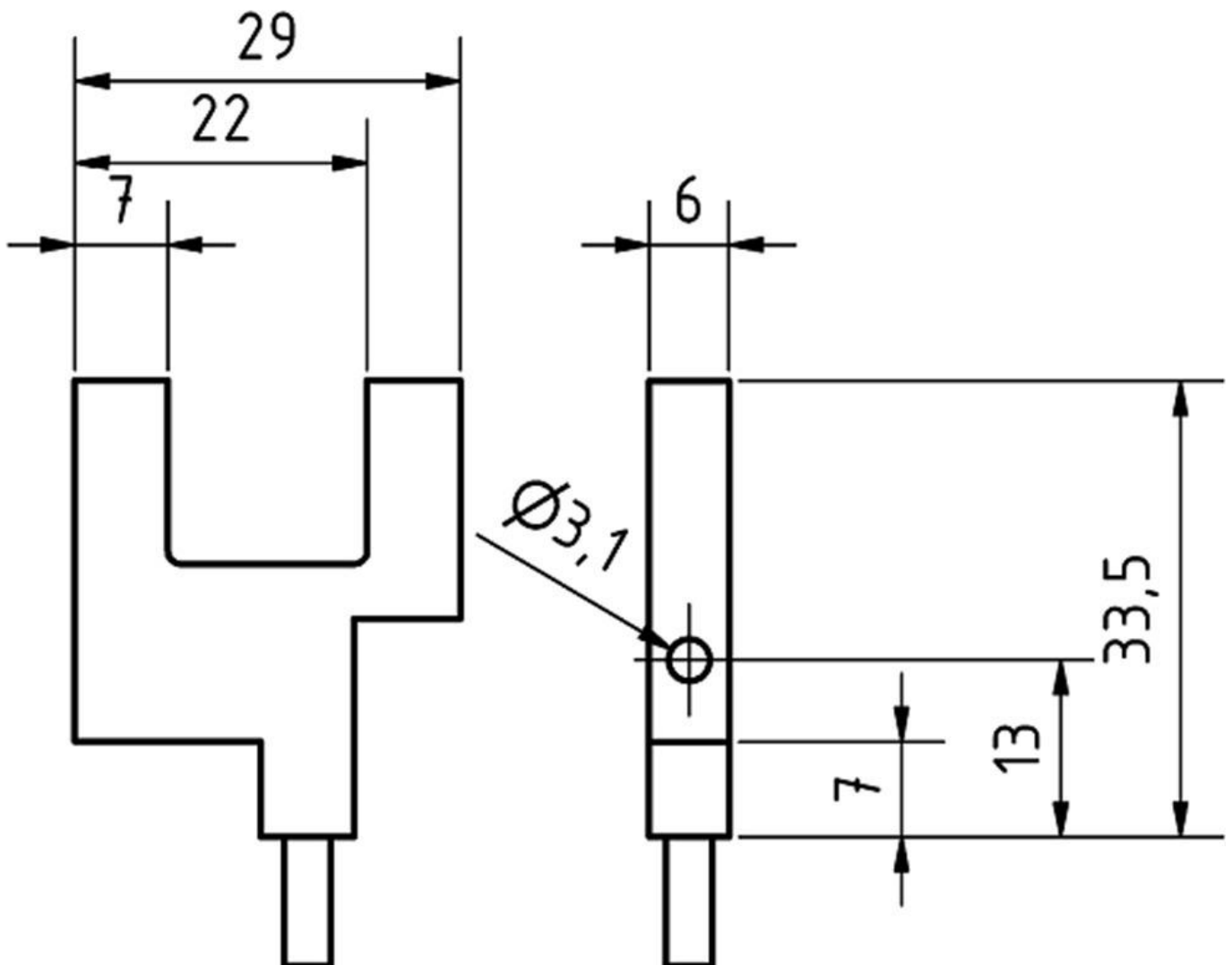
More

IPF Product Group	170 laser fork/angular light barriers
packaging dimensions	123 x 77 x 25 mm
gross weight	50 g
Customs tariff number	85365019
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program**VK003026**

Cable connector, Angular, Suitable for self-assembly, Screw connection, Ø3-6.5mm, 4A, 240V, -25-90°C, M12 Male (connector) 4pin, IP67, PBT

VK003028

Cable connector, Straight, Suitable for self-assembly, Screw connection, Ø3-6.5mm, 4A, 240V, -25-90°C, M12 Male (connector) 4pin, IP67, PBT

AY000141

Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage

**Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.