

## PWKB0370

### LASER SENSORS • ANGULAR LIGHT BARRIERS

sensor laser, angle, High resolution, 146x12x146mm, fork width 142mm, 10-35V DC, 1x PNP NC/NO, Connector M8 3pin, IP67, Aluminum+Glass, Red light, 3kHz, Manual adjustment



#### MECHANICAL FEATURES

Ambient temperature	-5 °C ... 45 °C
Degree of protection (IP)	IP67
Design	Cuboid
Diameter detection	-
Fork light barrier design	Angular shaped
Fork width	142 mm
Housing material	Aluminum
Installation bracket	-
Material of optical surface	Glass
Sensor height	146 mm
Sensor length	12 mm
Sensor width	146 mm

#### ELECTRICAL FEATURES

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	-
Decay time	0.17 ms
Dynamic switching output	-
Equipment protection class	Protection class 3
Hysteresis	0.02 mm
No-load current	30 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	10 V ... 35 V
Rated switching current	200 mA
Relative repeat accuracy	0.01 mm
Repeatability +/-	10 µm
Response time	0.17 ms
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment
Switching frequency	3000 Hz
Type of electrical connection	Connector M8

## ELECTRICAL FEATURES

Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Type of the forked light barrier	High resolution
Voltage drop	2.8 V
Voltage type	DC
With communication interface, analog	-
With communication interface, RS-232	-
With other analog output	-
With time function	-

## OPTICAL FEATURES

Min. object size	0.05 mm
Resolution	50 µm
Light beam form	Point
Laser class	Class 2
Pulsed light source	-

## OTHER FEATURES

Feeding technology	+
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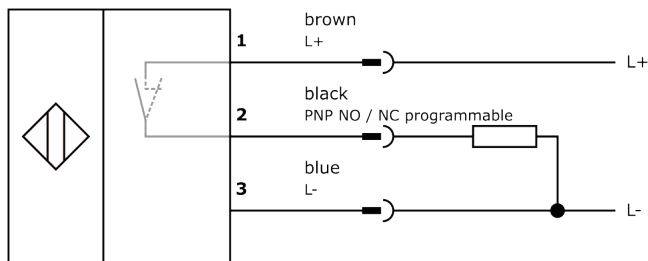
## Other

Packaging dimensions	230mm x 61.0mm x 290mm
Shipping weight	0.21kg
Tariff code	85365019

## Classification

ipf product group	170
eClass 8.0	27270909
eClass 9.0	27270909
eClass 9.1	27270909
ETIM-5.0	EC002720
ETIM-6.0	EC002720
ETIM-7.0	EC002720

## Connection



## Dimensional drawing

## 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.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.

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