

OG50C536

OPTICAL SENSORS • FORKED LIGHT BARRIERS

sensor optical, fork, 70x10x80mm, fork width 50mm, 10-35V DC, 1x PNP NO (NO), Cable 3pin 5m PUR (Polyurethane), IP67, Zinc die-cast+Plastic, Red light, 4kHz pulsed, Manual adjustment



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 60 °C
Cable length	5 m
Degree of protection (IP)	IP67
Design	Cuboid
Diameter detection	-
Fork depth	55 mm
Fork light barrier design	Furcate
Fork width	50 mm
Housing material	Zinc die-cast
Installation bracket	-
Material of cable sheath	PUR (Polyurethane)
Material of optical surface	Plastic
Sensor height	70 mm
Sensor length	10 mm
Sensor width	80 mm

ELECTRICAL FEATURES

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	-
Decay time	0.12 ms
Dynamic switching output	-
Equipment protection class	Protection class 3
Hysteresis	0.25 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	0.1 mm
Repeatability +/-	100 µm
Response time	0.12 ms
Scanning function	Dark switching

ELECTRICAL FEATURES

Setting procedure	Manual adjustment
Switching frequency	4000 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Type of the forked light barrier	Standard
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	0.5 mm
Resolution	500 µm
Light beam form	Point
Pulsed light source	+

OTHER FEATURES

Feeding technology	+
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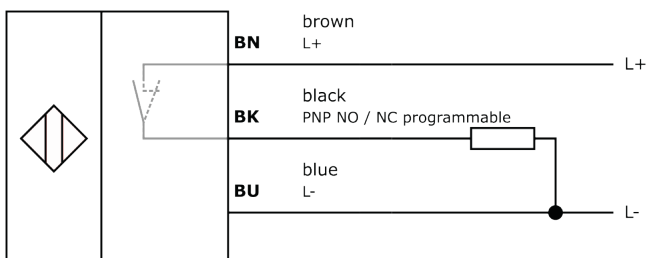
Other

Packaging dimensions	124.0mm x 28.0mm x 149.0mm
Shipping weight	0.2kg
Tariff code	85365019

Classification

ipf product group	700
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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