

**OG500375**
**OPTICAL SENSORS • FORKED LIGHT BARRIERS**

sensor optical, fork, Difference evaluation, 70x10x90mm, fork width 50mm, 12-35V DC, 1x PNP NC/NO, Connector M8 3pin, IP67, Aluminum+Plastic, Infrared light, 5kHz, Manual adjustment


**MECHANICAL FEATURES**

Ambient temperature	0 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cuboid
Diameter detection	-
Fork depth	55 mm
Fork light barrier design	Furcate
Fork width	50 mm
Housing material	Aluminum
Installation bracket	-
Material of optical surface	Plastic
Sensor height	70 mm
Sensor length	10 mm
Sensor width	90 mm
Transparent material detection	+

**ELECTRICAL FEATURES**

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	-
Decay time	0.1 ms
Dynamic switching output	-
Equipment protection class	Protection class 3
Hysteresis	0.2 mm
No-load current	35 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	12 V ... 35 V
Rated switching current	200 mA
Relative repeat accuracy	0.1 mm
Repeatability +/-	100 µm
Response time	0.1 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode

**ELECTRICAL FEATURES**

Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	5000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Type of the forked light barrier	Difference evaluation
Voltage drop	2.5 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	0.07 mm
Resolution	70 µm
Light beam form	Point
Pulsed light source	-

**OTHER FEATURES**

Features	Dual-beam
Feeding technology	+

**Other**

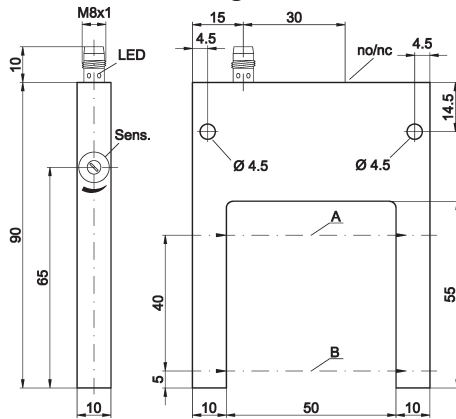
Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.08kg
Tariff code	85365019

**Classification**

ipf product group	110
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.