

OG800372

OPTICAL SENSORS • FORK LIGHT BARRIERS

Special design of through-beam sensor. Transmitter and receiver are located in the fork or angular limbs and are perfectly aligned to each other.



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 60 °C
Degree of protection (IP)	IP67
Diameter detection	-
Fork depth	55 mm
Fork light barrier design	Furcate
Fork width	80 mm
Housing design	Cuboid
Housing material	Zinc die-cast
Installation bracket	-
Material of optical surface	Glass
Sensor height	100 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
Max. output current	200 mA
No-load current	30 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	10 V ... 35 V
Relative repeat accuracy	0.06 mm
Repeatability +/-	60 µm
Response time	0.12 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment

ELECTRICAL FEATURES

Short-circuit protection	+
Switching frequency	4000 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	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

Laser protection class	None
Min. object size	0.5 mm
Resolution	500 µm
Light beam form	Point
	IV001898
	+

OTHER FEATURES

Feeding technology	+
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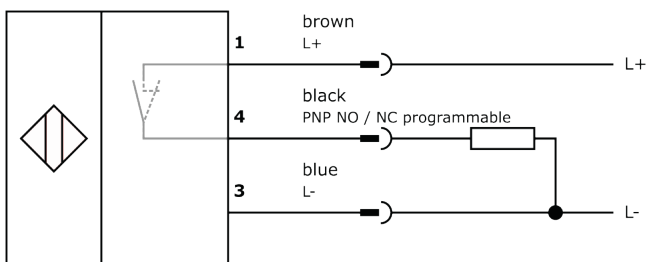
Other

Packaging dimensions	124.0mm x 28.0mm x 149.0mm
Shipping weight	0.15kg
Tariff code	85365019

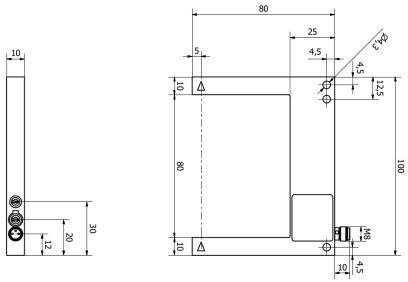
Classification

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



Software

Please download the software or driver required for operating your new device on our homepage: www.ipf.de

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.