

OGV40570
OPTICAL SENSORS • FORKED LIGHT BARRIERS

sensor optical, fork, adjustable, 101x10x187mm, 12-30V DC, 1x PNP/NPN NC/NO, Connector M8 3pin, IP67, Aluminum+Plastic, Infrared light, 4kHz, Parameterization


MECHANICAL FEATURES

Adjustable fork width (MAX)	145
Adjustable fork width (MIN)	5
Ambient temperature	-10 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cuboid
Diameter detection	-
Fork depth	90 mm
Fork light barrier design	Furcate
Heavy soiling	+
Housing material	Aluminum
Installation bracket	-
Material of optical surface	Plastic
Sensor height	101 mm
Sensor length	10 mm
Sensor width	187 mm
Transparent material detection	+

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
No-load current	20 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	12 V ... 30 V
Rated switching current	200 mA
Relative repeat accuracy	0.1 mm
Repeatability +/-	100 µm
Response time	0.12 ms
Reverse polarity protection	+

ELECTRICAL FEATURES

Scanning function	Light-/dark-on mode
Setting procedure	Parameterization
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/NPN
Type of the forked light barrier	Standard
Voltage drop	1.3 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	1 mm
Resolution	1000 µm
Light beam form	Rhombic
Adjustable opening width	+
Pulsed light source	-

OTHER FEATURES

Feeding technology	+
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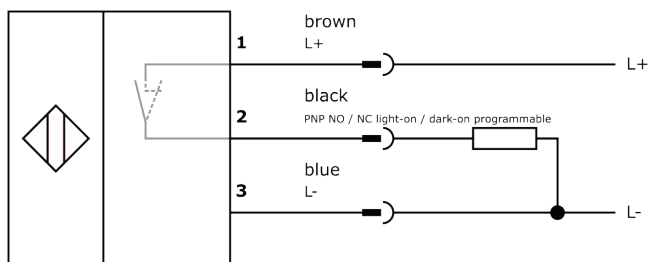
Other

Packaging dimensions	200mm x 20mm x 200mm
Shipping weight	0.09kg
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

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com

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.