

OG300572

OPTICAL SENSORS • FORKED LIGHT BARRIERS

sensor optical, fork, 50x10x60mm, fork width 30mm, 10-30V DC, 1x PNP/NPN NC/NO, IO-Link, Connector M8 3pin, IP67, Zinc die-cast+Glass, Red light, 5kHz pulsed, Manual adjustment



MECHANICAL FEATURES

Ambient temperature	-25 °C ... 60 °C
Degree of protection (IP)	IP67
Design	Cuboid
Fork depth	35 mm
Fork light barrier design	Furcate
Fork width	30 mm
Housing material	Zinc die-cast
Material of optical surface	Glass
Sensor height	50 mm
Sensor length	10 mm
Sensor width	60 mm

ELECTRICAL FEATURES

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	-
Decay time	0.1 ms
Equipment protection class	Protection class 3
Hysteresis	0.1 mm
IO-Link compatible	+
No-load current	30 mA
Number of pins	3
Number of switching outputs	1
Operating voltage	10 V ... 30 V
Rated switching current	100 mA
Relative repeat accuracy	0.02 mm
Repeatability +/-	20 µm
Response time	0.1 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	5000 Hz

ELECTRICAL FEATURES

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	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	0.3 mm
Resolution	300 µm
Light beam form	Point
Pulsed light source	+

OTHER FEATURES

Feeding technology	+
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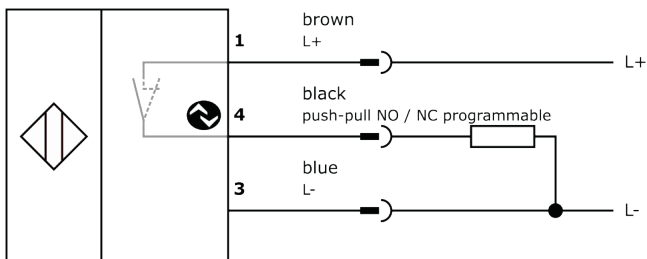
Other

Packaging dimensions	150mm x 10mm x 160mm
Shipping weight	0.07kg
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



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