

OGKB0371 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	60 mm
Fork light barrier design	Furcate
Fork width	120 mm
Housing design	Cuboid
Housing material	Zinc die-cast
Installation bracket	-
Material of optical surface	Plastic
Sensor height	144 mm
Sensor length	12 mm
Sensor width	90 mm

ELECTRICAL FEATURES

Analog output 0 V ... 10 V	-
Analog output 4 mA ... 20 mA	-
Connection to amplifier	-
Decay time	0.25 ms
Dynamic switching output	-
Equipment protection class	Protection class 3
Hysteresis	0.2 mm
Max. output current	200 mA
No-load current	45 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	0.25 ms
Reverse polarity protection	+
Scanning function	Light-/dark-on mode
Setting procedure	Manual adjustment

ELECTRICAL FEATURES

Short-circuit protection	+
Switching frequency	2000 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	0.8 mm
Resolution	800 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	0.28kg
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



