

# **OGKE0371**

## **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 DATA**

Ambient temperature	-10 °C 60 °C
Degree of protection (IP)	IP67
Fork depth	205 mm
Fork light barrier design	Furcate
Fork width	150 mm
Housing design	Cuboid
Housing material	Aluminium
Material of optical surface	Plastic
Reflector included in the scope of delivery	No
Sensor height	174 mm
Sensor length	12 mm
Sensor width	235 mm
Analogue output 0 mA 20 mA	No
Analogue output 0 V 10 V	No
Analogue output -10 V +10 V	No
Analogue output 4 mA 20 mA	No
Decay time	0.25 ms
Hysteresis	0.2 mm
Max. output current	200 mA
Max. switching distance	150 mm
No-load current	45 mA
Number of pins	3
Operating voltage	10 V 35 V
Pre-failure message	No
Rated control supply voltage Us at DC	10 V 35 V
Relative repeat accuracy	0.06 mm
Repeatability +/-	60 μm
Response time	0.25 ms
Reverse polarity protection	Yes

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# **IPF** ELECTRONIC

# **ELECTRICAL DATA**

Stating functionEight year on HodeSetting procedureManual adjustmentShort-circuit-proofYesSuitable for safety functionsNoSwitching frequency2000 HzType of electrical connectionConnector M8Type of switching outputPNPType of switching outputPNPType of the forked light barrierStandardVoltage drop2.8 VVoltage typeDCWith communication interface, analogNoWith communication interface, AS-InterfaceNoWith communication interface, CANOpenNoWith communication interface, EthernetNoWith communication interface, ROFIBUSNoWith communication interface, RS-322NoWith communication interface, SSDNoWith communication interface, SSINoWith communication interface, SSINoWith communication of downstream devicesNoWith communication of downstream devicesNoWith time function of MonterNoWith time function of MonterNoWith communication interface, SSINoWith time function of MonterNoWith ti	Scanning function	Light-/dark-on mode
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With monitoring function of downstream devicesNoWith other analog outputNoWith restart lockNo	With communication interface, SSD	No
With other analog output No   With restart lock No	With communication interface, SSI	No
With restart lock No	With monitoring function of downstream devices	No
	With other analog output	No
With time function No	With restart lock	No
	With time function	No

# **OPTICAL DATA**

Laser protection class	None
Light beam form	Point
Light source	Infrared light
Min. object size	0.8 mm
Resolution	800 μm
Wavelength of the sensor	880 nm

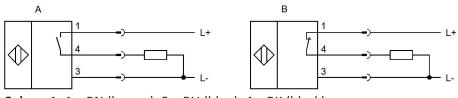
# **OTHER DATA**

Feeding technology	
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Yes

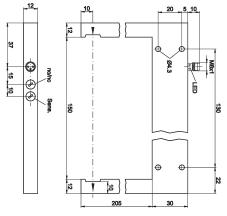


# CONNECTION



**Colors:** A: 1 = BN (brown), 3 = BU (blue), 4 = BK (black) B: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)**Functions:** A: 1 = L+, 3 = L-, 4 = PNP NO B: 1 = L+, 3 = L-, 4 = PNP NC

## **DIMENSIONAL DRAWING**



# INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!





#### **SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!