IPF ELECTRONIC

Data sheet OHLE0370 • Subject to alteration! Version: 03.12.2020

OHLE0370
OPTICAL SENSORS • FRAME LIGHT BARRIERS

sensor optical, frame 250x242, 290x20x303mm, Static and dynamic, resolution 8mm, 22-26V DC, PNP NC/NO, Connector M8 3pin, IP67, Aluminum+PMMA, With time function

MECHANICAL FEATURES

Active zone height	242 mm
Active zone width	250 mm
Ambient temperature	0 °C ... 60 °C
Constructive design	One-piece
Degree of protection (IP)	IP67
Design	Cuboid
Frame opening, crosswise	250 mm
Frame opening, lengthwise	242 mm
Housing material	Aluminum
Material of optical surface	PMMA
Reflector included in the scope of delivery	-
Sensor height	290 mm
Sensor length	20 mm
Sensor width	303 mm
With compressed air connection	+
With mechanical impact protection	+

ELECTRICAL FEATURES

Analog output 0 mA ... 20 mA	-
Analog output 0 V ... 10 V	-
Analog output -10 V ... +10 V	-
Analog output 4 mA ... 20 mA	-
No-load current	45 mA
Number of pins	3
Operating voltage (MAX)	26 V
Pulse stretching	0.1 ms ... 150 ms
Rated control supply voltage Us at DC	22 V ... 26 V
Rated switching current	200 mA
Reaction time	0.1 ms
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-

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ELECTRICAL FEATURES

Type of electrical connection	Connector M8
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage type	DC
With communication interface, analog	-
With communication interface, AS-Interface	-
With communication interface, CANOpen	-
With communication interface, DeviceNet	-
With communication interface, Ethernet	-
With communication interface, INTERBUS	-
With communication interface, PROFIBUS	-
With communication interface, RS-232	-
With communication interface, RS-422	-
With communication interface, RS-485	-
With communication interface, SSD	-
With communication interface, SSI	-
With LED display	+
With monitoring function of downstream devices	-
With other analog output	-
With time function	+

OPTICAL FEATURES

Light source	Infrared light
Wavelength of the sensor	880 nm
Min. object size	8 mm
Resolution, dynamic	5
Resolution, static	8

OTHER FEATURES

Version	Static and dynamic

Other

Packaging dimensions	300mm x 30mm x 300mm
Shipping weight	1.2kg
Tariff code	85365019

Classification

ipf product group	112
eClass 8.0	27270911
eClass 9.0	27270911
eClass 9.1	27270911
ETIM-5.0	EC002721
ETIM-6.0	EC002721
ETIM-7.0	EC002721

Connection

Dimensional drawing
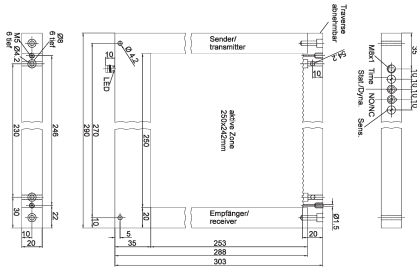
Installation

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

Disposal

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.

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