

OH700370

OPTICAL SENSORS • FRAME LIGHT BARRIERS

sensor optical, frame 70x62, 110x20x123mm, Static and dynamic, resolution 2mm, 18-35V DC, PNP NC/NO, Connector M8 3pin, IP67, Aluminum+PMMA, With time function



MECHANICAL FEATURES

| | |
|---|----------------|
| Active zone height | 62 mm |
| Active zone width | 70 mm |
| Ambient temperature | 0 °C ... 60 °C |
| Constructive design | One-piece |
| Degree of protection (IP) | IP67 |
| Design | Cuboid |
| Frame opening, crosswise | 70 mm |
| Frame opening, lengthwise | 62 mm |
| Housing material | Aluminum |
| Material of optical surface | PMMA |
| Reflector included in the scope of delivery | - |
| Sensor height | 110 mm |
| Sensor length | 20 mm |
| Sensor width | 123 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 | 30 mA |
| Number of pins | 3 |
| Operating voltage (MAX) | 35 V |
| Pulse stretching | 0.1 ms ... 150 ms |
| Rated control supply voltage U_s at DC | 18 V ... 35 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 | - |

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 | 2 mm |
| Resolution, dynamic | 1.5 |
| Resolution, static | 2 |

OTHER FEATURES

| | |
|---------|--------------------|
| Version | Static and dynamic |
|---------|--------------------|

Other

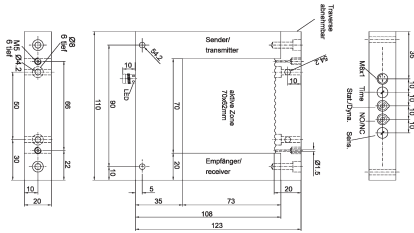
| | |
|----------------------|------------------------|
| Packaging dimensions | 230mm x 61.0mm x 290mm |
| Shipping weight | 0.44kg |
| Tariff code | 85365019 |

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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