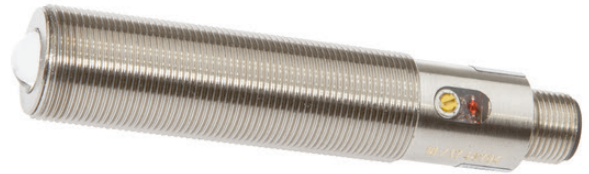


PESI0007
LASER SENSORS • THROUGH-BEAM SENSORS RECEIVERS

sensor laser, Through-beam sensor receiver, M18x1 90long, aperture 6.5x0.8mm, Sn: 2.5m, 12-32V DC, PNP/NPN Push-pull, 0-10V, Connector M12 4pin, IP67, Brass Nickel-plated, Laser diode, red light


MECHANICAL FEATURES

| | |
|---------------------------------------------|------------------------------|
| Ambient temperature | -20 °C ... 50 °C |
| Degree of protection (IP) | IP67 |
| Design | Cylinder, screw-thread |
| Housing coating | Nickel-plated |
| Housing material | Brass |
| Reflector included in the scope of delivery | - |
| Sensor length | 90 mm |
| Storage temperature | -20 °C ... 85 °C |
| Thread length | 60 mm |
| Thread pitch | 1 mm |
| Thread size, metric | 18 |
| Version | Through-beam sensor receiver |

ELECTRICAL FEATURES

| | |
|-------------------------------|---------------------|
| Connection to amplifier | - |
| Laser power | 1 mW |
| Measuring range | 2.5 m |
| No-load current | 40 mA |
| Number of pins | 4 |
| Operating voltage | 12 V ... 32 V |
| Rated switching current | 100 mA |
| Rated switching distance | 2500 mm |
| Relative repeat accuracy | 8 µm |
| Scanning function | Light-/dark-on mode |
| Setting procedure | Manual adjustment |
| Suitable for safety functions | - |
| Switching frequency | 5000 Hz |
| Type of analog output | 0 V ... 10 V |
| Type of electrical connection | Connector M12 |
| Type of input voltage | DC |
| Type of switching function | Push-pull |
| Type of switching output | PNP/NPN |
| Voltage type | DC |

ELECTRICAL FEATURES

With time function

-

OPTICAL FEATURES

| | |
|--------------------------|------------------------|
| Light source | Laser diode, red light |
| Wavelength of the sensor | 670 nm |
| Light beam form | Line |
| Filter | Interference filter |
| Aperture length | 6.5 mm |
| Aperture width | 0.8 mm |

OTHER FEATURES

| | |
|-----------------------------------------|----------|
| Scope of delivery of the one-way system | Receiver |
|-----------------------------------------|----------|

Other

| | |
|----------------------|---------------------------|
| Packaging dimensions | 77.0mm x 25.0mm x 123.0mm |
| Shipping weight | 0.11kg |
| Tariff code | 85365019 |

Classification

| | |
|-------------------|----------|
| ipf product group | 705 |
| eClass 8.0 | 27270901 |
| eClass 9.0 | 27270901 |
| eClass 9.1 | 27270901 |
| ETIM-5.0 | EC002716 |
| ETIM-6.0 | EC002716 |
| ETIM-7.0 | EC002716 |

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.