

PS120022

LASER SENSORS • THROUGH-BEAM SENSORS TRANSMITTERS

sensor laser, Through-beam sensor transmitter, M12x1 75long, aperture Ø0.5mm, Sn: 1.5m, 12-32V DC, Connector M12 4pin, IP67, Brass Nickel-plated+Glass, Laser diode, red light



MECHANICAL FEATURES

| | |
|-----------------------------|---------------------------------|
| Ambient temperature | -20 °C ... 50 °C |
| Aperture diameter | 0.5 mm |
| Degree of protection (IP) | IP67 |
| Design | Cylinder, screw-thread |
| Housing coating | Nickel-plated |
| Housing material | Brass |
| Material of optical surface | Glass |
| Sensor length | 75 mm |
| Storage temperature (MAX) | 85 °C |
| Thread length | 45 mm |
| Thread pitch | 1 mm |
| Thread size, metric | 12 |
| Version | Through-beam sensor transmitter |

ELECTRICAL FEATURES

| | |
|-------------------------------|---------------|
| Connection to amplifier | - |
| Function test | + |
| Laser power | 1 mW |
| Measuring range | 1.5 m |
| No-load current | 50 mA |
| No-load current, transmitter | 50 mA |
| Number of pins | 4 |
| Operating voltage | 12 V ... 32 V |
| Reverse polarity protection | + |
| Suitable for safety functions | - |
| Type of electrical connection | Connector M12 |
| Type of input voltage | DC |
| Voltage type | DC |

OPTICAL FEATURES

| | |
|--------------------------|------------------------|
| Light source | Laser diode, red light |
| Light spot | 0.2 mm ² |
| Wavelength of the sensor | 670 nm |

OPTICAL FEATURES

| | |
|-----------------|----------|
| Light beam form | Point |
| Laser class | EV006626 |

OTHER FEATURES

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

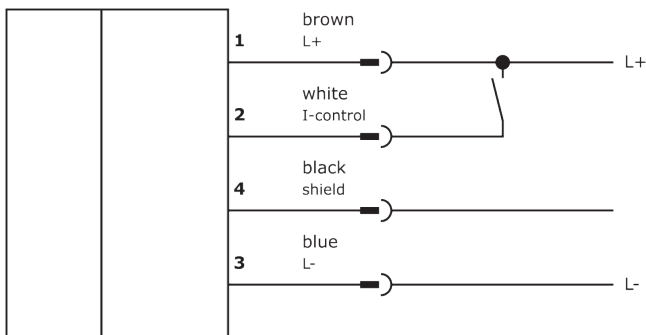
Other

| | |
|----------------------|---------------------------|
| Packaging dimensions | 77.0mm x 25.0mm x 123.0mm |
| Shipping weight | 0.04kg |
| Tariff code | 85365019 |

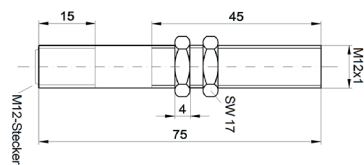
Classification

| | |
|-------------------|----------|
| ipf product group | 160 |
| 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.

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