

## OYSI0222

### Optical sensors • Through-beam sensors transmitters

sensor optical, Light barrier, 11x5x43mm, Sn: 0.05m, Anschluss an Verstärker, Cable 8pin 1m, IP67, Aluminum Anodised, Infrared light



Frame and ring light barriers operate according to the principle of a through-beam sensor. Within the housing there is a variety of transmitter and receiver elements that form a light curtain and thus detect various objects. Application examples for these systems are ejection control of presses, presence monitoring or length measurements of wires or tubes.

#### Electrical features

|                               |          |
|-------------------------------|----------|
| Type of electrical connection | Cable    |
| Line diameter                 | 3mm      |
| Number of pins                | 8        |
| Switching distance            | 0 - 50mm |
| Connection to amplifier       | Yes      |

#### Mechanical features

|                           |               |
|---------------------------|---------------|
| Number of cores           | 8             |
| Design                    | Cuboid        |
| Width                     | 43mm          |
| Height                    | 11mm          |
| Cable length              | 1m            |
| Storage temperature       | -20 - 85°C    |
| Length                    | 5mm           |
| Surface                   | teflon coated |
| Degree of protection (IP) | IP67          |
| Volume                    | Small         |
| Housing material          | Aluminum      |
| Ambient temperature       | -20 - 60°C    |

#### Optical features

|                          |                |
|--------------------------|----------------|
| Light source             | Infrared light |
| Light beam form          | Line           |
| Wavelength of the sensor | 880nm          |

**Other features**

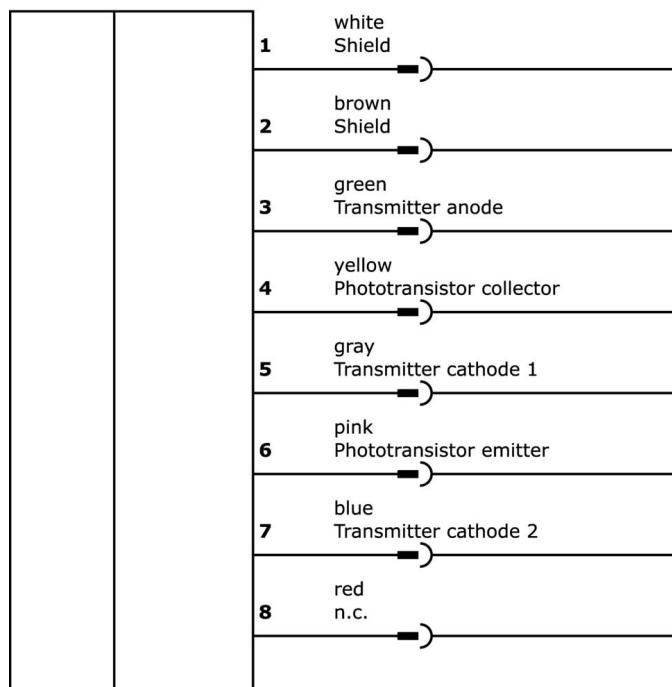
|                     |               |
|---------------------|---------------|
| Scope of delivery   | Transmitter   |
| Ambient temperature | -20 - 60°C    |
| Version             | Light barrier |

**Classification**

|        |  |
|--------|--|
| ETIM 8 | EC002716 Through-beam photoelectric sensor |
|--------|--|

**More**

|                       |                          |
|-----------------------|--------------------------|
| IPF Product Group     | 705 special devices (SI) |
| packaging dimensions  | 123 x 77 x 25 mm         |
| gross weight          | 70 g                     |
| Customs tariff number | 85365019                 |
| WEEE number           | 40951076                 |
| POP-compliant         | Yes                      |
| Reach-compliant       | Yes                      |
| RoHS-compliant        | Yes                      |

**Connection****Connection to amplifier****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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).