

**OY320132**
**SAFETY SYSTEMS • LIGHT CURTAINS - FINGER PROTECTION**

light curtain, 37x533x32mm, field height 450, resolution 14mm, Sn: 0.3-6m, 24V DC, PNP NO (NO), 500mA, Connector M12 8pin/4pin, IP65, Aluminium painted+PMMA, safety


**MECHANICAL FEATURES**

|                             |                  |
|-----------------------------|------------------|
| Ambient temperature         | 0 °C ... 55 °C   |
| Degree of protection (IP)   | IP65             |
| Housing material            | Aluminum painted |
| Material of optical surface | PMMA             |
| Protected field height      | 450 mm           |
| Sensor height               | 36.9 mm          |
| Sensor length               | 533.2 mm         |
| Sensor width                | 32.3 mm          |

**ELECTRICAL FEATURES**

|                                                |                            |
|------------------------------------------------|----------------------------|
| Cascadable                                     | -                          |
| Clock control possible                         | -                          |
| Equipment protection class                     | Protection class 3         |
| Max. output current at safe output             | 500 mA                     |
| No-load current, receiver                      | 150 mA                     |
| No-load current, transmitter                   | 105 mA                     |
| Number of pins, receiver                       | 8                          |
| Number of pins, transmitter                    | 4                          |
| Number of safe semiconductor outputs           | 2                          |
| Override possible                              | -                          |
| Rated control supply voltage $U_s$ at DC       | 24 V ... 24 V              |
| Reaction time                                  | 18 ms                      |
| Reverse polarity protection                    | +                          |
| Short-circuit protection                       | +                          |
| Suitable for safety functions                  | +                          |
| Suppression possible                           | -                          |
| Switching output type of the OSSD              | PNP                        |
| Switching voltage of OSSD at state "high"      | 24 V                       |
| Type of electrical connection                  | Connector M12              |
| Type of switching function                     | Normally open contact (NO) |
| Voltage type                                   | DC                         |
| With LED display (7 segment)                   | +                          |
| With monitoring function of downstream devices | +                          |

## ELECTRICAL FEATURES

|                      |   |
|----------------------|---|
| With muting function | - |
| With restart lock    | + |

## OPTICAL FEATURES

|                                  |        |
|----------------------------------|--------|
| Detection capability for samples | 14 mm  |
| Protected field range            | 6 m    |
| Wavelength of the sensor         | 950 nm |
| Resolution of the light curtain  | 14 mm  |
| Number of beams                  | 48     |
| Min. distance                    | 0.3 m  |
| Finger protection (< 14mm)       | +      |

## OTHER FEATURES

|                                         |                          |
|-----------------------------------------|--------------------------|
| Air humidity                            | 15 % ... 95 %            |
| Explosion safety category for dust      | None                     |
| Explosion safety category for gas       | None                     |
| Safety category                         | Category 4               |
| Safety type in acc. with IEC 61496-1    | 4                        |
| Scope of delivery of the one-way system | Transmitter and receiver |
| With beam coding                        | +                        |

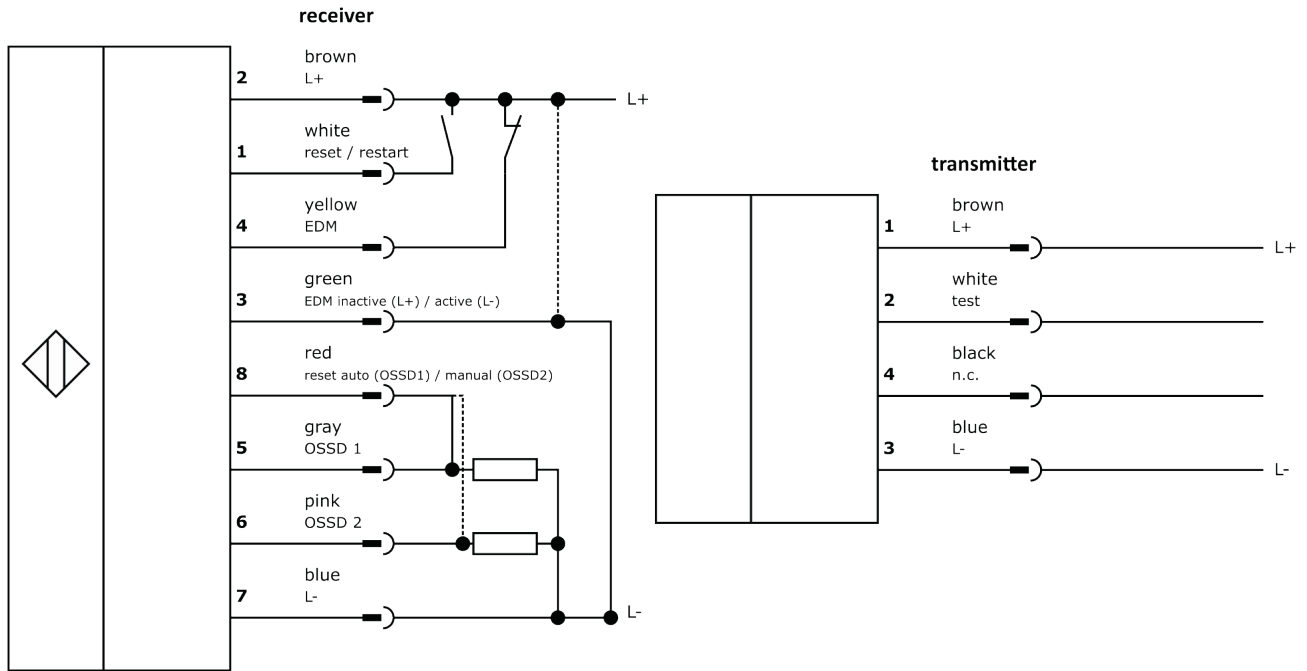
## Other

|                      |                         |
|----------------------|-------------------------|
| Packaging dimensions | 180mm x 100mm x 685.0mm |
| Shipping weight      | 2.94kg                  |
| Tariff code          | 85365019                |

## Classification

|                   |          |
|-------------------|----------|
| ipf product group | 710      |
| eClass 8.0        | 27270910 |
| eClass 9.0        | 27270910 |
| eClass 9.1        | 27270910 |
| ETIM-5.0          | EC002549 |
| ETIM-6.0          | EC002549 |
| ETIM-7.0          | EC002549 |

## Connection



## Dimensional drawing

## Installation



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

## Disposal



## Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)

## 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.