

# Safety Through-Beam Sensor

## SL2-00NE000H3

Part Number



- Compatible with safety control unit
- Glass lenses

### Technical Data

#### Optical Data

|                      |           |
|----------------------|-----------|
| Range                | 0...20 m  |
| Switching Hysteresis | < 15 %    |
| Light Source         | Red Light |
| Max. Ambient Light   | 10000 Lux |
| Opening Angle        | ± 4 °     |

#### Electrical Data

|                                        |                  |
|----------------------------------------|------------------|
| Sensor Type                            | Receiver         |
| Supply Voltage                         | 19,2...28,8 V DC |
| Current Consumption (Ub = 24 V)        | < 15 mA          |
| Response Time                          | 1,8 ms           |
| Temperature Range                      | -25...60 °C      |
| Switching Output Voltage Drop          | < 1,5 V          |
| PNP Switching Output/Switching Current | 300 mA           |
| Residual Current Switching Output      | < 50 µA          |
| Short Circuit and Overload Protection  | yes              |
| Reverse Polarity Protection            | yes              |
| Protection Class                       | III              |

#### Mechanical Data

|                      |                |
|----------------------|----------------|
| Housing Material     | Plastic        |
| Full Encapsulation   | yes            |
| Degree of Protection | IP67           |
| Connection           | M12 × 1; 4-pin |

#### Safety-relevant Data

|                                    |       |
|------------------------------------|-------|
| ESPE Type (EN 61496)               | 2 *   |
| Safety Category (EN ISO 13849-1)   | 2*    |
| Performance Level (EN ISO 13849-1) | PL c* |
| Mission Time TM (EN ISO 13849-1)   | 20 a  |
| MTTFd (EN ISO 13849-1)             | 381 a |

Connection Diagram No.

1021

Control Panel No.

N1

No1

Suitable Connection Equipment No.

2

Suitable Mounting Technology No.

350

### Suitable Emitter

SL2-00NS000H3

\* in conjunction with suitable safety control unit

These through-beam sensors are well suited for use in rough industrial environments. Together with a suitable individual control unit, access of machines can be safeguarded.

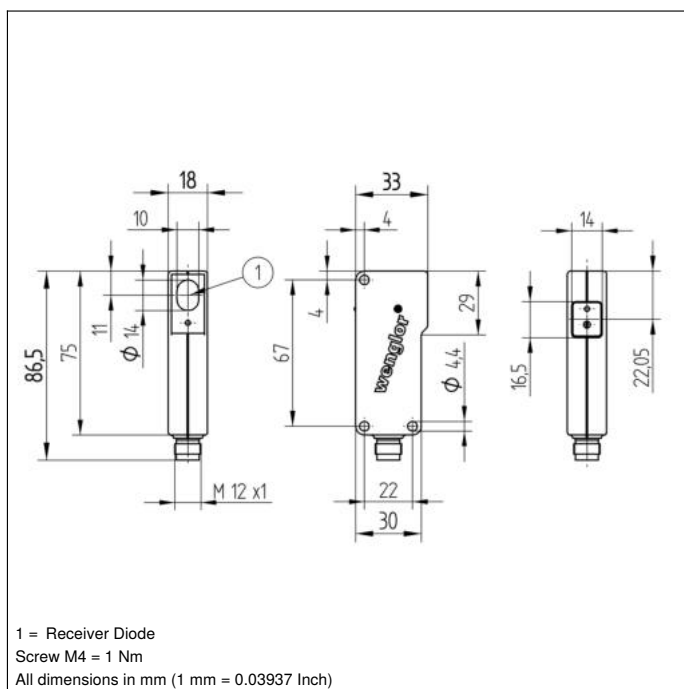


### Complementary Products

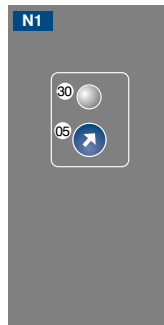
Path-Folding Mirror Z2UG001

Set Protective Housing ZSN-NN-02

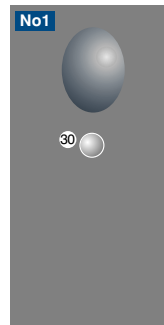
Software



## Ctrl. Panel



## Optic



05 = Switching Distance Adjuster  
30 = Switching Status/Contamination Warning