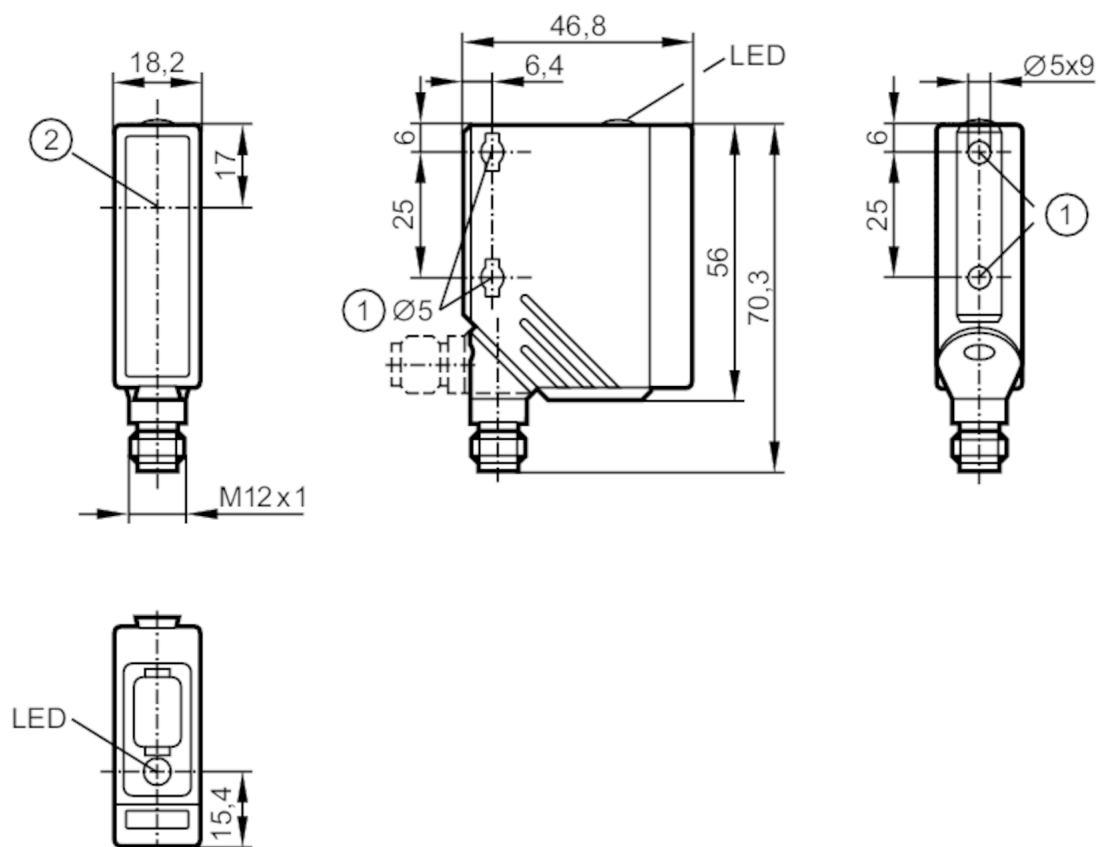


# O5E200



### Through-beam sensor receiver

O5E-DPKG/US100



- 1 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.  
2 light emission



## Application

|                             |                     |
|-----------------------------|---------------------|
| Function principle          | Through-beam sensor |
| Electrical data             |                     |
| Operating voltage [V]       | 10...36 DC          |
| Current consumption [mA]    | 10                  |
| Protection class            | II                  |
| Reverse polarity protection | yes                 |
| Type of light               | red light           |
| Wave length [nm]            | 624                 |

# O5E200



## Through-beam sensor receiver

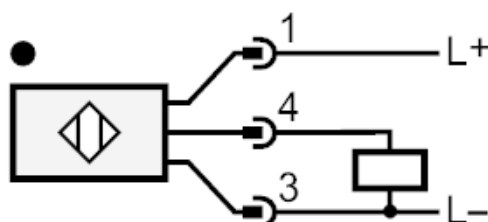
O5E-DPKG/US100

| Outputs                                                                             |                                                              |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------|
| Electrical design                                                                   | PNP                                                          |                 |
| Output function                                                                     | dark-on mode                                                 |                 |
| Max. voltage drop switching output DC [V]                                           | 2.5                                                          |                 |
| Permanent current rating of switching output DC [mA]                                | 200                                                          |                 |
| Switching frequency DC [Hz]                                                         | 1000                                                         |                 |
| Short-circuit protection                                                            | yes                                                          |                 |
| Type of short-circuit protection                                                    | pulsed                                                       |                 |
| Overload protection                                                                 | yes                                                          |                 |
| Detection zone                                                                      |                                                              |                 |
| Transmitter / receiver                                                              | receiver                                                     |                 |
| Range [m]                                                                           | < 20                                                         |                 |
| Range adjustable                                                                    | no                                                           |                 |
| Operating conditions                                                                |                                                              |                 |
| Ambient temperature [°C]                                                            | -25...60                                                     |                 |
| Protection                                                                          | IP 67                                                        |                 |
| Tests / approvals                                                                   |                                                              |                 |
| EMC                                                                                 | EN 60947-5-2                                                 |                 |
| MTTF [years]                                                                        | 1134                                                         |                 |
| Mechanical data                                                                     |                                                              |                 |
| Weight [g]                                                                          | 60.8                                                         |                 |
| Housing                                                                             | rectangular                                                  |                 |
| Dimensions [mm]                                                                     | 56 x 18.2 x 46.8                                             |                 |
| Materials                                                                           | housing: PA; bezel: stainless steel; operator interface: TPE |                 |
| Lens material                                                                       | PMMA                                                         |                 |
| Lens alignment                                                                      | side lens                                                    |                 |
| Displays / operating elements                                                       |                                                              |                 |
| Display                                                                             | switching status                                             | 1 x LED, yellow |
| Remarks                                                                             |                                                              |                 |
| Remarks                                                                             | operating voltage "supply class 2" according to cULus        |                 |
| Pack quantity                                                                       | 1 pcs.                                                       |                 |
| Electrical connection                                                               |                                                              |                 |
| Connector: 1 x M12                                                                  |                                                              |                 |
|  |                                                              |                 |

## Through-beam sensor receiver

O5E-DPKG/US100

### Connection



### Diagrams and graphs

excess gain graph

