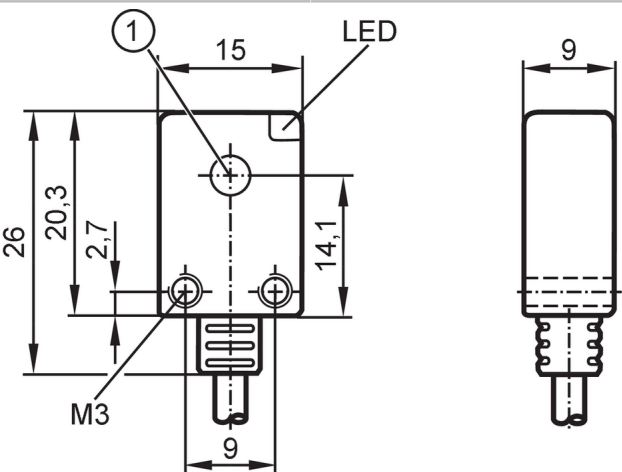


# O7E201



## Through-beam sensor receiver

O7E-HPKG/0,20M/AS



Receiver in upper lens



### Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

### Application

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Function principle | Through-beam sensor                                            |
| Application        | For applications in robotics, assembly and handling technology |

### Electrical data

|                             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 10...30 DC   |
| Current consumption         | [mA] | 10; ((24 V)) |
| Protection class            |      | III          |
| Reverse polarity protection |      | yes          |
| Type of light               |      | red light    |

### Outputs

|                                                 |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | light-on mode      |
| Max. voltage drop switching output DC           | [V]  | 2.5                |
| Permanent current rating of switching output DC | [mA] | 100                |
| Switching frequency DC                          | [Hz] | 1000               |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |

### Monitoring range

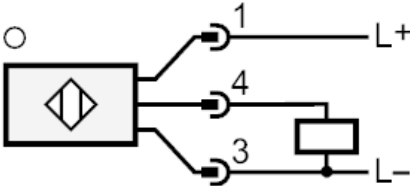
|                                |     |                  |
|--------------------------------|-----|------------------|
| Transmitter / receiver         |     | receiver         |
| Range                          | [m] | 0...1.5          |
| Range adjustable               |     | no               |
| Light spot dimensions refer to |     | at maximum range |

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| Operating conditions                                                                 |                  |                              |
|--------------------------------------------------------------------------------------|------------------|------------------------------|
| Ambient temperature                                                                  | [°C]             | -25...60                     |
| Protection                                                                           |                  | IP 65                        |
| Tests / approvals                                                                    |                  |                              |
| EMC                                                                                  |                  | EN 60947-5-2                 |
| MTTF                                                                                 | [years]          | 1312                         |
| Mechanical data                                                                      |                  |                              |
| Weight                                                                               | [g]              | 14.3                         |
| Housing                                                                              |                  | rectangular                  |
| Dimensions                                                                           | [mm]             | 20.3 x 15 x 9                |
| Material                                                                             |                  | housing: PA                  |
| Lens material                                                                        |                  | front lens:PMMA              |
| Lens alignment                                                                       |                  | Side sensing                 |
| Tightening torque                                                                    | [Nm]             | 0.5                          |
| Displays / operating elements                                                        |                  |                              |
| Display                                                                              | Switching status | 1 x LED, yellow              |
| Remarks                                                                              |                  |                              |
| Remarks                                                                              |                  | UL - Class 2 source required |
| Pack quantity                                                                        |                  | 1 pcs.                       |
| Electrical connection                                                                |                  |                              |
| Cable: 0.2 m, PUR; 3 x 0.14 mm²                                                      |                  |                              |
| Connector: 1 x M8; coding: A; Contacts: 3; Locking: snap-fit                         |                  |                              |
|   |                  |                              |
| Connection                                                                           |                  |                              |
|  |                  |                              |