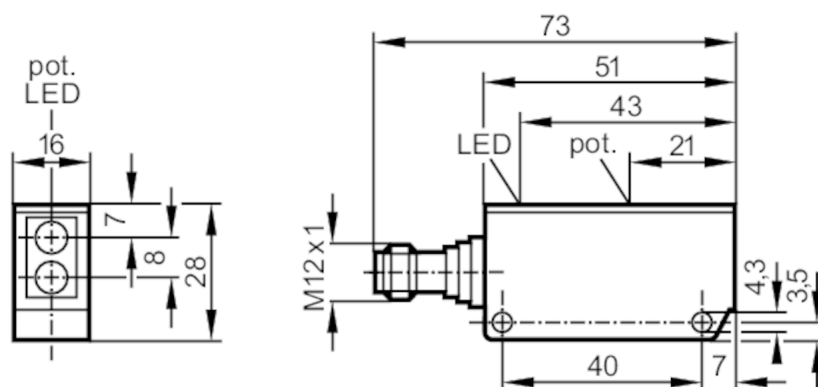


## Through-beam sensor receiver

OUE-HPKG/US-100-DPO



receiver in upper lens



## Product characteristics

|               |                |
|---------------|----------------|
| Type of light | infrared light |
| Housing       | rectangular    |

## Application

|                    |                     |
|--------------------|---------------------|
| Function principle | Through-beam sensor |
|--------------------|---------------------|

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...55 DC     |
| Current consumption         | [mA] | 20; ((24 V))   |
| Protection class            |      | III            |
| Reverse polarity protection |      | yes            |
| Type of light               |      | infrared light |
| Wave length                 | [nm] | 880            |

## 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] | 250           |
| Switching frequency DC                          | [Hz] | 140           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

## Detection zone

|                        |     |          |
|------------------------|-----|----------|
| Transmitter / receiver |     | receiver |
| Range                  | [m] | < 6      |
| Range adjustable       |     | yes      |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
|---------------------|------|----------|



Through-beam sensor receiver

OUE-HPKG/US-100-DPO

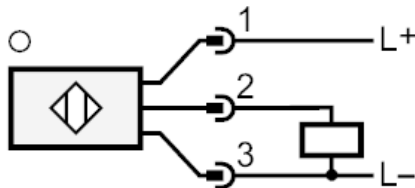
|                               |  |                          |                 |
|-------------------------------|--|--------------------------|-----------------|
| Protection                    |  | IP 67                    |                 |
| Tests / approvals             |  |                          |                 |
| EMC                           |  | EN 60947-5-2             |                 |
| MTTF                          |  | [ANN]                    | 618             |
| Mechanical data               |  |                          |                 |
| Weight                        |  | [g]                      | 73.5            |
| Housing                       |  |                          | rectangular     |
| Dimensions                    |  | [mm]                     | 28 x 16 x 51    |
| Materials                     |  |                          | PPO modified    |
| Lens material                 |  |                          | glass           |
| Lens alignment                |  |                          | side lens       |
| Displays / operating elements |  |                          |                 |
| Display                       |  | switching status         | 1 x LED, yellow |
| Аксессуары                    |  |                          |                 |
| Items supplied                |  | Angle bracket: 1, E20211 |                 |
| Remarks                       |  |                          |                 |
| Pack quantity                 |  | 1 pcs.                   |                 |

Electrical connection

Connector: 1 x M12; coding: A



Connection



## Through-beam sensor receiver

OUE-HPKG/US-100-DPO

## Diagrams and graphs

excess gain graph

