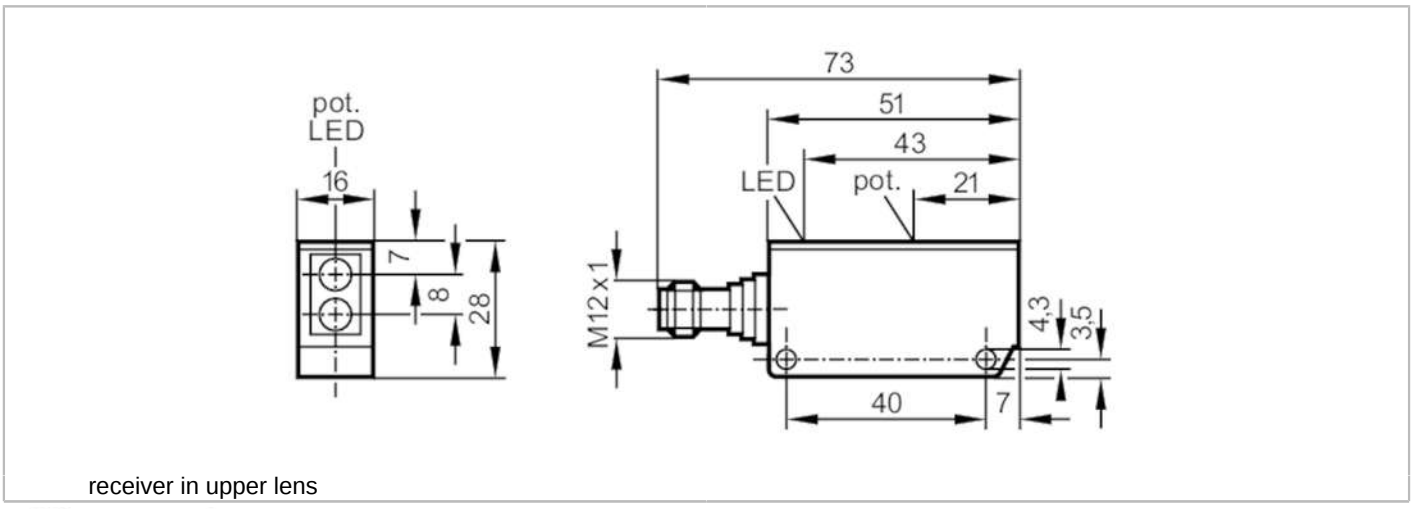
# OU5047

## 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 |

# OU5047

## Through-beam sensor receiver

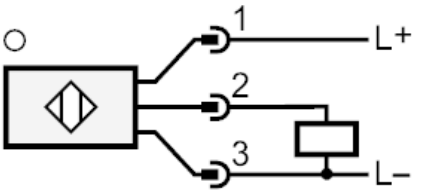
OUE-HPKG/US-100-DPO

| | | | |
|---|---|---|---|
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| MTTF | [years] | 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 |
| **Accessories** | | | |
| Items supplied | | Angle bracket: 1, E20211 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Connector: 1 x M12; coding: A




Connection



# OU5047

## Through-beam sensor receiver

OUE-HPKG/US-100-DPO

## Diagrams and graphs

excess gain graph

