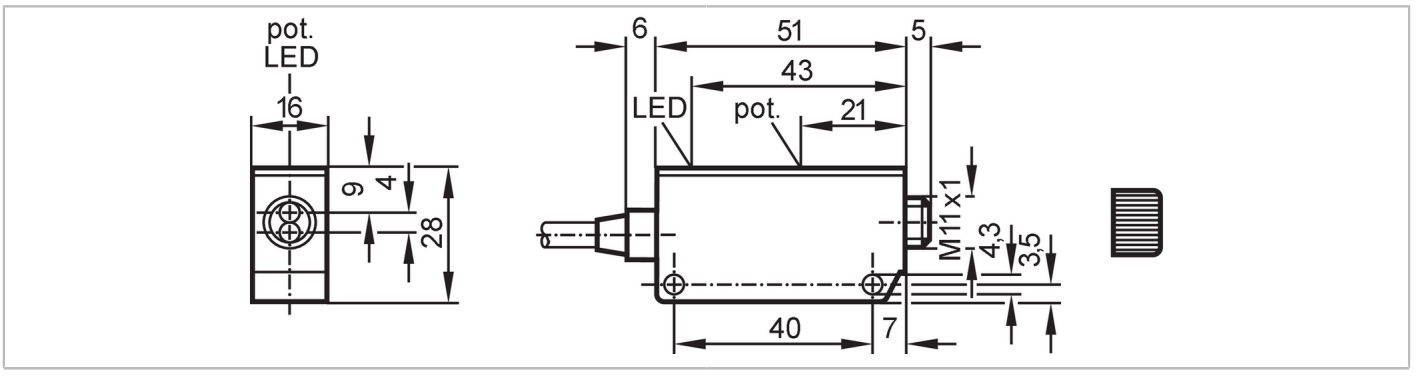
# OU5002

## Fibre-optic amplifier

OUF-DPKG




| | | |
|---|---|---|
| **Product characteristics** | | |
| Type of light | | infrared light |
| Housing | | rectangular |
| **Application** | | |
| Application | | Industrial applications / factory automation |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 35;  ((24 V)) |
| Protection class | | II |
| Reverse polarity protection | | yes |
| Type of light | | infrared light |
| Wave length | [nm] | 880 |
| **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] | 250 |
| Switching frequency DC | [Hz] | 100 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |
| **Detection zone** | | |
| Range | [m] | < 0.12;  (Through-beam sensor) |
| Range | [mm] | < 40;  (Diffuse reflection sensor) |
| Range adjustable | | yes |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65 |
| **Tests / approvals** | | |
| EMC | | EN 60947-5-2 |

# OU5002

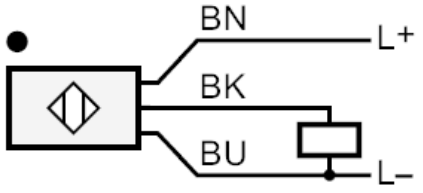
## Fibre-optic amplifier

OUF-DPKG

| | | | |
|---|---|---|---|
| MTTF | [years] | 583 | |
| **Mechanical data** | | | |
| Weight | [g] | 151.5 | |
| Housing | | rectangular | |
| Dimensions | [mm] | 28 x 16 x 56 | |
| Number of channels | | 1 | |
| Materials | | PPO modified | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | Angle bracket: 1, E20211 | |
| | | screwdrivers | |
| **Remarks** | | | |
| Remarks | | dark-on mode corresponds to the NO output function for through-beam fibre optics | |
| | | corresponds to the NC output function for diffuse-reflection fibre optics | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection




| | |
|---|---|
| | Core colours : |
| BN = | brown |
| BU = | blue |
| BK = | black |

# OU5002

## Fibre-optic amplifier

OUF-DPKG

## Diagrams and graphs

excess gain graph

