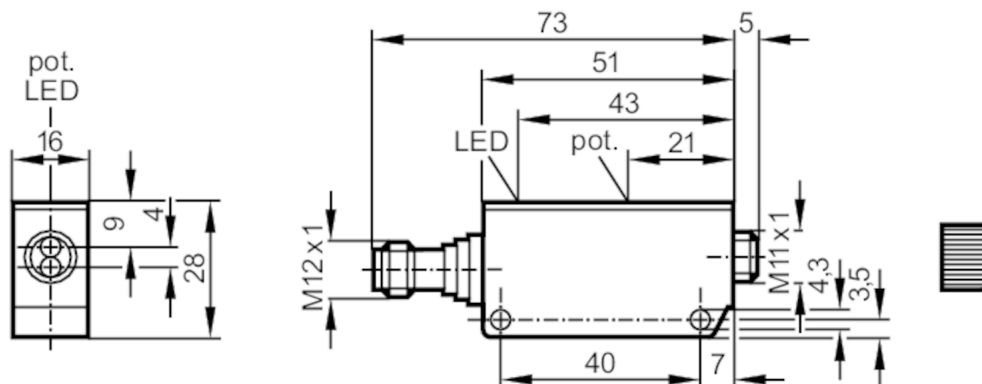


## Fiber-optic amplifier

OUF-DPKG/US-100-DPO



## Product characteristics

|               |                |
|---------------|----------------|
| Type of light | Infrared light |
| Housing       | rectangular    |

## Electrical data

|                             |      |                |
|-----------------------------|------|----------------|
| Operating voltage           | [V]  | 10...36 DC     |
| Current consumption         | [mA] | 35; ((24 V))   |
| Protection class            |      | III            |
| 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                |      | yes (non-latching) |
| Overload protection                             |      | yes                |

## Monitoring range

|                  |      |                                     |
|------------------|------|-------------------------------------|
| Range            | [m]  | 0...0.12; (Through-beam sensor)     |
| Range            | [mm] | 0...40; (Diffuse reflection sensor) |
| Range adjustable |      | yes                                 |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 65    |



Fiber-optic amplifier

OUF-DPKG/US-100-DPO

Tests / approvals

|      |              |     |
|------|--------------|-----|
| EMC  | EN 60947-5-2 |     |
| MTTF | [years]      | 583 |

Mechanical data

|                    |      |              |
|--------------------|------|--------------|
| Weight             | [g]  | 75           |
| Housing            |      | rectangular  |
| Dimensions         | [mm] | 28 x 16 x 56 |
| Number of channels |      | 1            |
| Material           |      | PPO modified |
| Lens material      |      | glass        |

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

|                |                          |
|----------------|--------------------------|
| Items supplied | Angle bracket: 1, E20211 |
|                | screwdrivers             |

Remarks

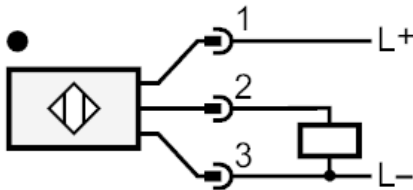
|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Remarks       | dark-on mode corresponds to the NO output function for through-beam fibers |
|               | corresponds to the NC output function for diffuse-reflection fiber optics  |
| Pack quantity | 1 pcs.                                                                     |

Electrical connection

Connector: 1 x M12; coding: A



Connection





## Fiber-optic amplifier

OUF-DPKG/US-100-DPO

## Diagrams and graphs

excess gain graph

