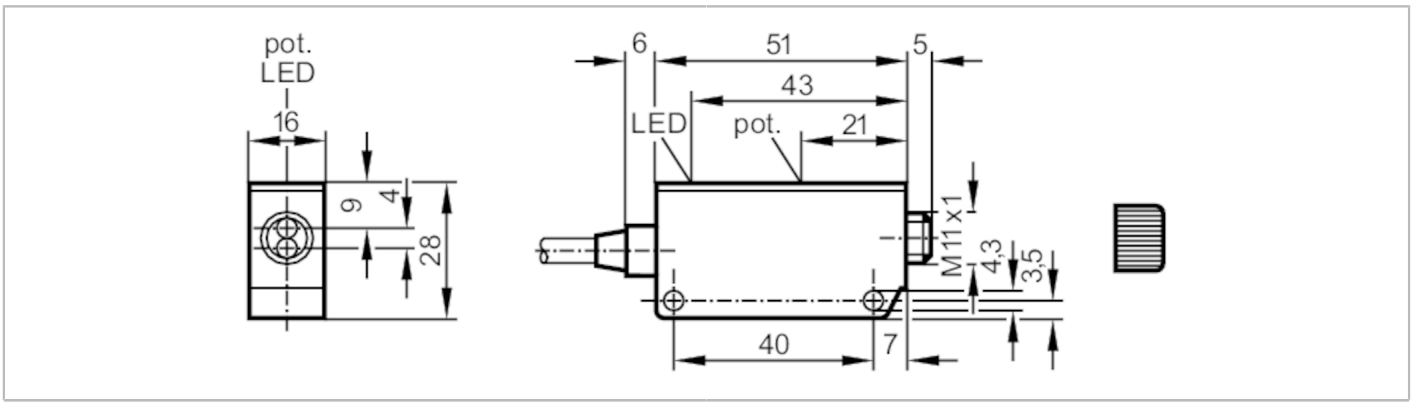
# OU5003

## Fiber-optic amplifier

OUF-HNKG

Article no longer available - archive entry




| | | |
|---|---|---|
| **Product characteristics** | | |
| Type of light | | Infrared light |
| Housing | | rectangular |
| **Electrical data** | | |
| Operating voltage | [V] | 10...55 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 | | NPN |
| 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] | 100 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |
| **Monitoring range** | | |
| 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 | |
| | EN 55011 | class B |

# OU5003

## Fiber-optic amplifier

OUF-HNKG

| Mechanical data | | |
|---|---|---|
| Weight [g] | 0.151 | |
| Housing | rectangular | |
| Dimensions [mm] | 28 x 16 x 56 | |
| Material | PPO modified | |

| Displays / operating elements | | |
|---|---|---|
| Display | Switching status | 1 x LED, yellow |

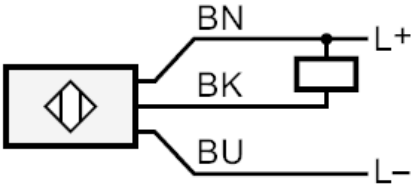
| Accessories | |
|---|---|
| Items supplied | Angle bracket: 1, E20211 |
| | screwdrivers |

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

**Electrical connection**

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection




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

# OU5003

## Fiber-optic amplifier

OUF-HNKG

## Diagrams and graphs

excess gain graph

