

Product characteristics

Fiber-optic amplifier

Rectangular, plastics

Quick disconnect

Sensing range 0...120mm (Through-beam sensor)

Range 0...40mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

DC PNP

10...36 DC

35 (24 V)

Infrared light 880 nm

III

yes

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

dark-on mode

< 2.5

250

yes (non-latching)

yes

100

Monitoring range

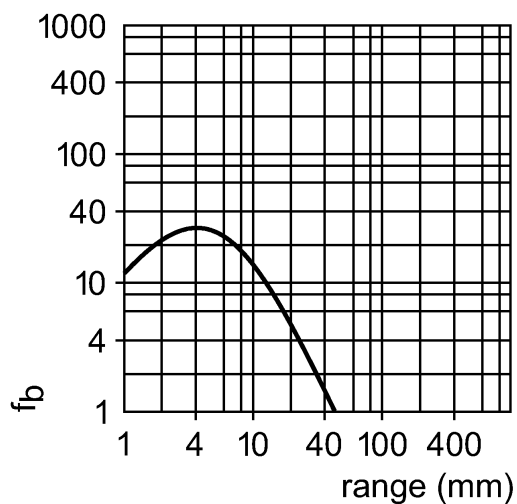
Sensing range [m]

Range [mm]

0...0.12 (Through-beam sensor)

0...40 (Diffuse reflection sensor)

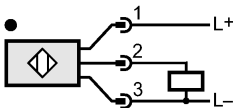
Excess gain graphs



OU5044 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05

| | | |
|-------------------------------|---------|---------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [Years] | 583 |
| Mechanical data | | |
| Housing materials | | modified PPO |
| Lens material | | glass |
| Weight | [kg] | 0.075 |
| Displays / operating elements | | |
| Output status indication | LED | yellow |
| Electrical connection | | |
| Connection | | M12 connector |

Wiring



| | |
|------------------------|--|
| Accessories | |
| Accessories (included) | Angle bracket; E20211; screwdriver |
| Remarks | |
| Remarks | When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC" |
| Pack quantity | [piece] |
| | 1 |