

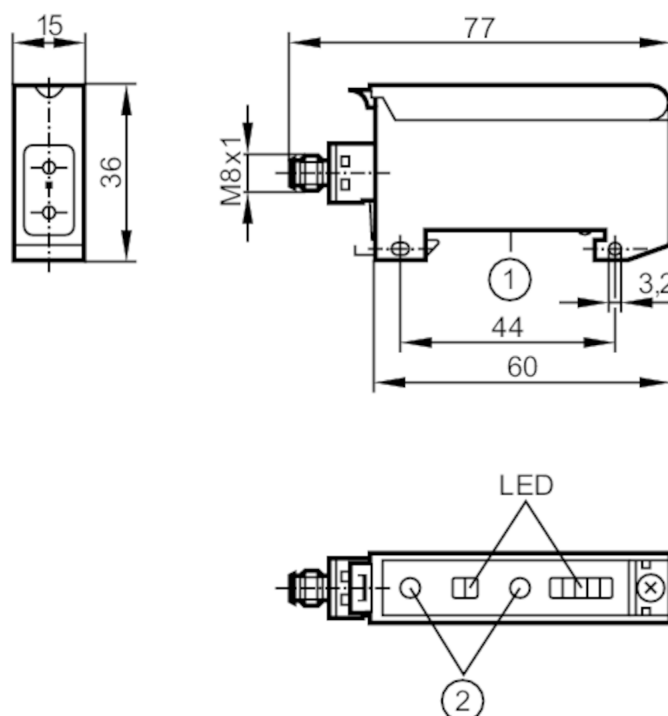
## Fibre-optic amplifier

OBF-FPKG/T/AS-610

Article no longer available - archive entry

Alternative articles: OBF501

When selecting an alternative article and accessories please note that technical data may differ!



- 1 mounting on DIN rail  
2 setting pushbuttons

## Product characteristics

|               |             |
|---------------|-------------|
| Type of light | red light   |
| Housing       | rectangular |

## Application

|                 |                       |
|-----------------|-----------------------|
| Special feature | Function check output |
|-----------------|-----------------------|

## Electrical data

|                             |              |
|-----------------------------|--------------|
| Operating voltage [V]       | 10...36 DC   |
| Current consumption [mA]    | 35; ((24 V)) |
| Protection class            | III          |
| Reverse polarity protection | yes          |
| Type of light               | red light    |
| Wave length [nm]            | 660          |

## Outputs

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| Electrical design                              | PNP                                      |
| Output function                                | light-on/dark-on mode; (parameterisable) |
| Max. voltage drop switching output DC [V]      | 2.5                                      |
| Function check output                          | yes                                      |
| Max. voltage drop of function check output [V] | 3.5                                      |



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|                                                    |      |              |
|----------------------------------------------------|------|--------------|
| Max. current load for function<br>check output     | [mA] | 10           |
| Permanent current rating of<br>switching output DC | [mA] | 100          |
| Switching frequency DC                             | [Hz] | 500          |
| Short-circuit protection                           |      | yes          |
| Type of short-circuit<br>protection                |      | pulsed       |
| Overload protection                                |      | yes          |
| Time function                                      | [s]  | 0.002...0.09 |

## Detection zone

|                  |      |                                     |
|------------------|------|-------------------------------------|
| Range            | [m]  | 0...1.2; (Through-beam sensor)      |
| Range            | [mm] | 0...70; (Diffuse reflection sensor) |
| Range adjustable |      | yes                                 |

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
| Protection          |      | IP 65    |

## Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

## Mechanical data

|            |      |              |
|------------|------|--------------|
| Housing    |      | rectangular  |
| Dimensions | [mm] | 36 x 15 x 60 |
| Materials  |      | ABS          |

## Displays / operating elements

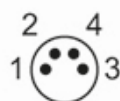
|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|         | operation        | 1 x LED, green  |
|         | unsafe zone      | 1 x LED, red    |
|         | excess gain      | 4 x LED, green  |

## Remarks

|               |                                                                                                                                                                                                                                                                                                                                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | light-on mode corresponds to the NC output function for through-beam fibre optics<br>corresponds to the NO output function for diffuse-reflection fibre optics<br>dark-on mode corresponds to the NO output function for through-beam fibre optics<br>corresponds to the NC output function for diffuse-reflection fibre optics |
| Pack quantity | 1 pcs.                                                                                                                                                                                                                                                                                                                          |

## Electrical connection

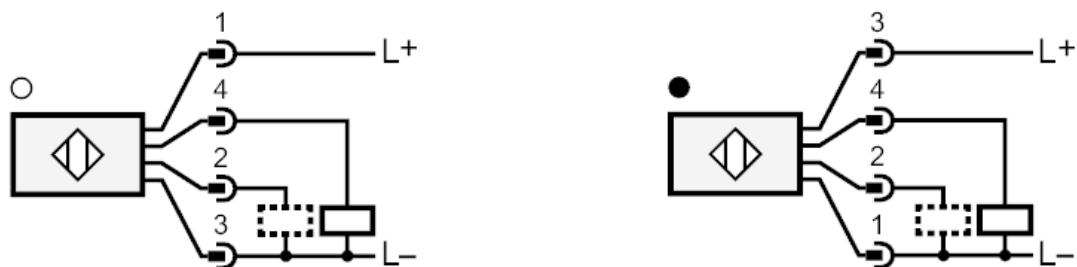
Connector: 1 x M8; coding: A



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## Connection



2 Function check output

## Diagrams and graphs

excess gain graph

