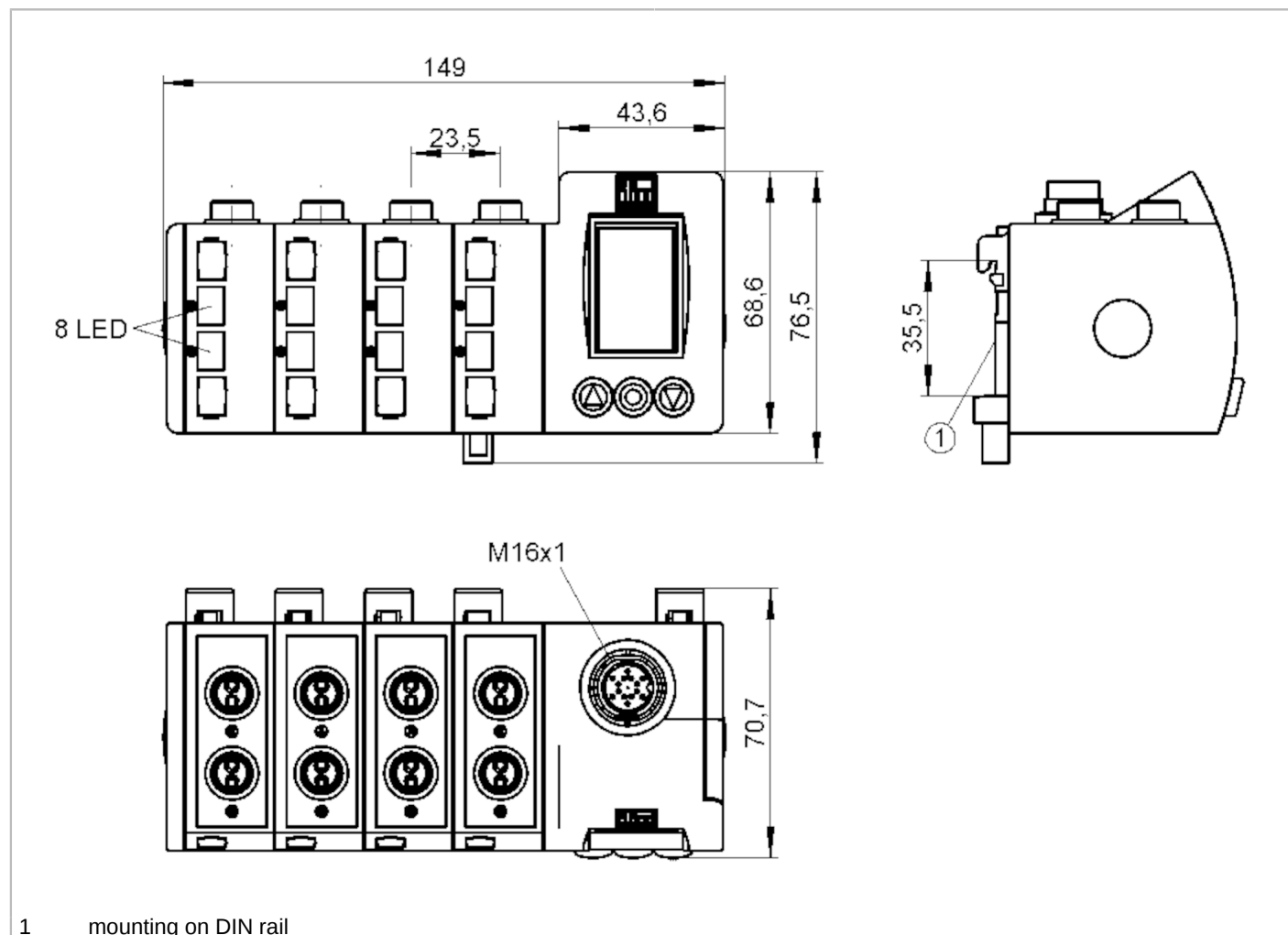


## Fibre-optic amplifier

OO5-FPKG/M16/GL8



### Product characteristics

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

### Application

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

### Electrical data

|                             |              |
|-----------------------------|--------------|
| Operating voltage [V]       | 12...36 DC   |
| Current consumption [mA]    | 50; ((24 V)) |
| Max. power consumption [VA] | 1.3          |
| Protection class            | III          |
| Reverse polarity protection | yes          |
| Type of light               | red light    |
| Wave length [nm]            | 630          |

### Outputs

|                   |                                       |
|-------------------|---------------------------------------|
| Electrical design | PNP                                   |
| Output function   | light-on/dark-on mode; (programmable) |



## Fibre-optic amplifier

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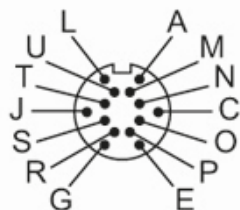
|                                                 |                  |                                                                                                                 |
|-------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------|
| Max. voltage drop switching output DC           | [V]              | 2                                                                                                               |
| Function check output                           |                  | yes                                                                                                             |
| Max. current load for function check output     | [mA]             | 200                                                                                                             |
| Permanent current rating of switching output DC | [mA]             | 200                                                                                                             |
| Switching frequency DC                          | [Hz]             | 800                                                                                                             |
| Notes on switching frequency                    | [Hz]             | typical                                                                                                         |
| Short-circuit protection                        |                  | yes                                                                                                             |
| Type of short-circuit protection                |                  | pulsed                                                                                                          |
| Overload protection                             |                  | yes                                                                                                             |
| Time function                                   | [s]              | 0.001...0.1                                                                                                     |
| <b>Detection zone</b>                           |                  |                                                                                                                 |
| Range                                           | [m]              | < 0.4; (Through-beam sensor)                                                                                    |
| Range                                           | [mm]             | 0...200; (Diffuse reflection sensor)                                                                            |
| Range adjustable                                |                  | yes                                                                                                             |
| <b>Software / programming</b>                   |                  |                                                                                                                 |
| Parameter setting options                       |                  | automatic and manual switch point setting; logic functions AND, OR; second switch point                         |
| <b>Operating conditions</b>                     |                  |                                                                                                                 |
| Ambient temperature                             | [°C]             | -20...60                                                                                                        |
| Protection                                      |                  | IP 65                                                                                                           |
| <b>Tests / approvals</b>                        |                  |                                                                                                                 |
| EMC                                             | EN 60947-5-2     |                                                                                                                 |
|                                                 | EN 55011         | class B                                                                                                         |
| <b>Mechanical data</b>                          |                  |                                                                                                                 |
| Weight                                          | [g]              | 595                                                                                                             |
| Housing                                         |                  | rectangular                                                                                                     |
| Dimensions                                      | [mm]             | 76.5 x 149 x 70.7                                                                                               |
| Number of channels                              |                  | 8                                                                                                               |
| Fibre optic connection                          |                  | FE-00 / FT-00                                                                                                   |
| Materials                                       |                  | housing: ABS; display window: PMMA; LED window: SEPS; cover: diecast zinc plastic coated (PA)                   |
| Lens alignment                                  |                  | side lens                                                                                                       |
| <b>Displays / operating elements</b>            |                  |                                                                                                                 |
| Display                                         |                  | full graphic LCD display, rotation of the display by 180° possible language selection (German, English, French) |
|                                                 | switching status | 8 x LED, yellow                                                                                                 |
| Electronic lock                                 |                  | yes                                                                                                             |
| <b>Accessories</b>                              |                  |                                                                                                                 |
| Items supplied                                  |                  | rail: 1 x 137 mm, EN 60715                                                                                      |
| <b>Remarks</b>                                  |                  |                                                                                                                 |
| Remarks                                         |                  | operating voltage "supply class 2" according to cULus                                                           |
| Pack quantity                                   |                  | 1 pcs.                                                                                                          |

## Fibre-optic amplifier

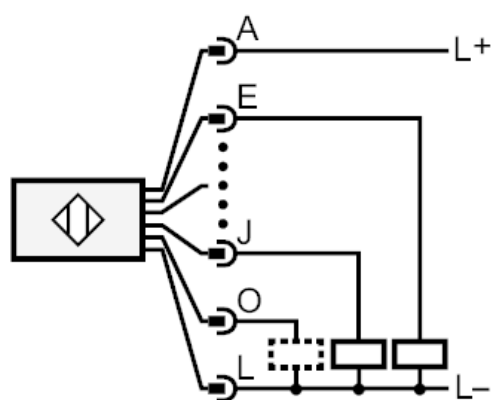
00F-FPKG/M16/GL8

### Electrical connection

Connector: 1 x M16



### Connection



E: Out 1  
P: Out 2  
S: Out 3  
G: Out 4  
C: Out 5  
T: Out 6  
N: Out 7  
J: Out 8

O Function check output