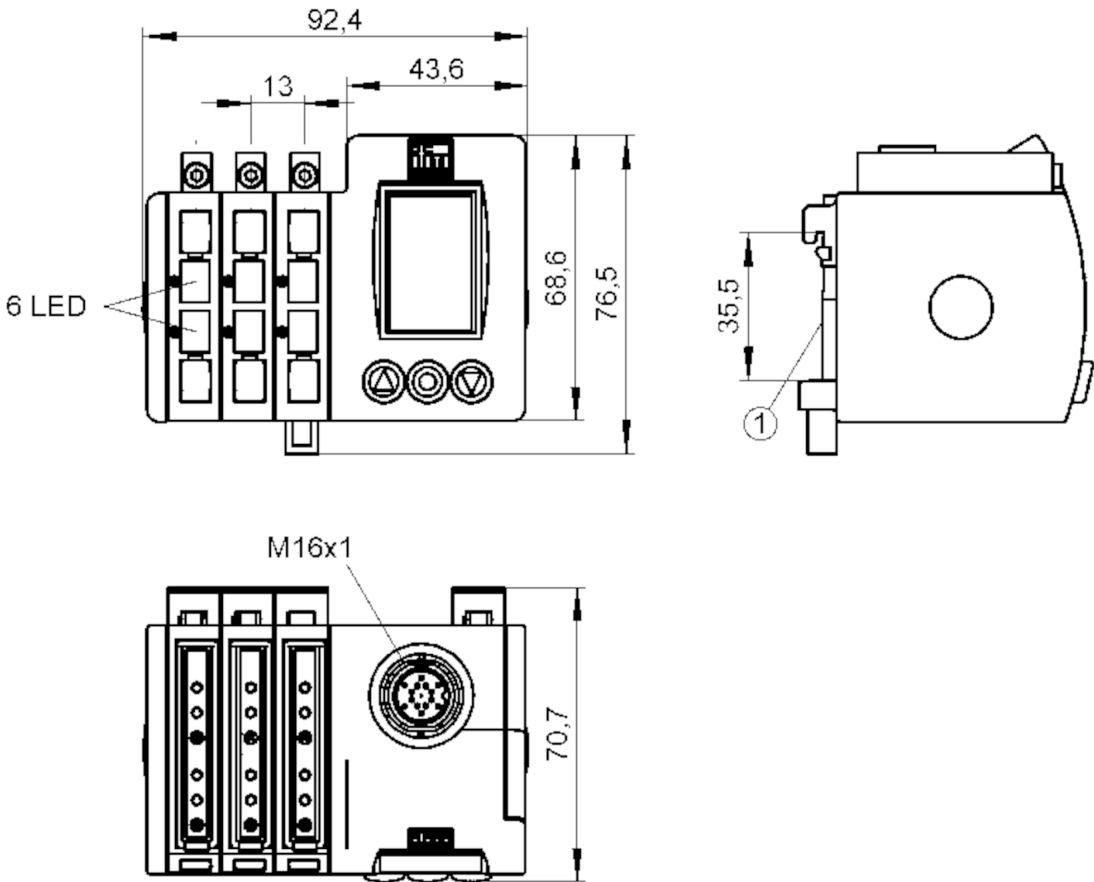




Fibre-optic amplifier

OO5-FNKG/M16/KL6

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1 mounting on DIN rail



| Electrical data             |      |              |
|-----------------------------|------|--------------|
| Operating voltage           | [V]  | 12...36 DC   |
| Current consumption         | [mA] | 50; ((24 V)) |
| Max. power consumption      | [VA] | 1.2          |
| Protection class            |      | III          |
| Reverse polarity protection |      | yes          |
| Type of light               |      | red light    |
| Wave length                 | [nm] | 630          |



## Fibre-optic amplifier

OO5-FNKG/M16/KL6

| Outputs                                              |                                                                                               |                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Electrical design                                    | NPN                                                                                           |                                                                                                                 |
| Output function                                      | light-on/dark-on mode; (programmable)                                                         |                                                                                                                 |
| 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]                          | 1000                                                                                          |                                                                                                                 |
| Notes on switching frequency                         | typical                                                                                       |                                                                                                                 |
| Short-circuit protection                             | yes                                                                                           |                                                                                                                 |
| Type of short-circuit protection                     | pulsed                                                                                        |                                                                                                                 |
| Overload protection                                  | yes                                                                                           |                                                                                                                 |
| Time function [s]                                    | 0.001...0.1                                                                                   |                                                                                                                 |
| Detection zone                                       |                                                                                               |                                                                                                                 |
| Range [m]                                            | < 3.8; (Through-beam sensor)                                                                  |                                                                                                                 |
| Range [mm]                                           | 0...300; (Diffuse reflection sensor)                                                          |                                                                                                                 |
| Range adjustable                                     | yes                                                                                           |                                                                                                                 |
| Software / programming                               |                                                                                               |                                                                                                                 |
| Parameter setting options                            | automatic and manual switch point setting; logic functions AND, OR; second switch point       |                                                                                                                 |
| Operating conditions                                 |                                                                                               |                                                                                                                 |
| Ambient temperature [°C]                             | -20...60                                                                                      |                                                                                                                 |
| Protection                                           | IP 65                                                                                         |                                                                                                                 |
| Tests / approvals                                    |                                                                                               |                                                                                                                 |
| EMC                                                  | EN 60947-5-2                                                                                  | class B                                                                                                         |
|                                                      | EN 55011                                                                                      |                                                                                                                 |
| Mechanical data                                      |                                                                                               |                                                                                                                 |
| Weight [g]                                           | 528.4                                                                                         |                                                                                                                 |
| Housing                                              | rectangular                                                                                   |                                                                                                                 |
| Dimensions [mm]                                      | 76.5 x 92.4 x 70.7                                                                            |                                                                                                                 |
| Number of channels                                   | 6                                                                                             |                                                                                                                 |
| Fibre optic connection                               | FE-11 / FT-11                                                                                 |                                                                                                                 |
| Materials                                            | housing: ABS; display window: PMMA; LED window: SEPS; cover: diecast zinc plastic coated (PA) |                                                                                                                 |
| Lens alignment                                       | side lens                                                                                     |                                                                                                                 |
| Displays / operating elements                        |                                                                                               |                                                                                                                 |
| Display                                              |                                                                                               | full graphic LCD display, rotation of the display by 180° possible language selection (German, English, French) |
|                                                      | switching status                                                                              | 6 x LED, yellow                                                                                                 |
| Electronic lock                                      | yes                                                                                           |                                                                                                                 |
| Accessories                                          |                                                                                               |                                                                                                                 |
| Accessories (supplied)                               | rail: 1 x x 81 mm. EN 60715                                                                   |                                                                                                                 |



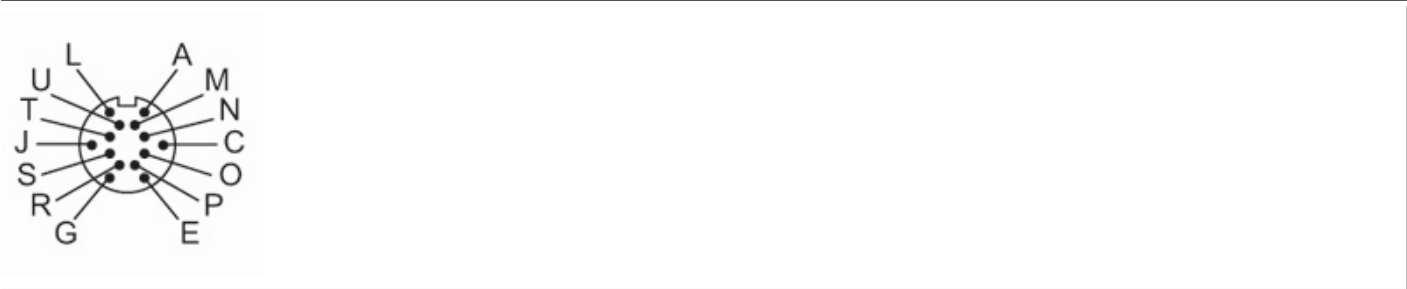
Fibre-optic amplifier

00F-FNKG/M16/KL6

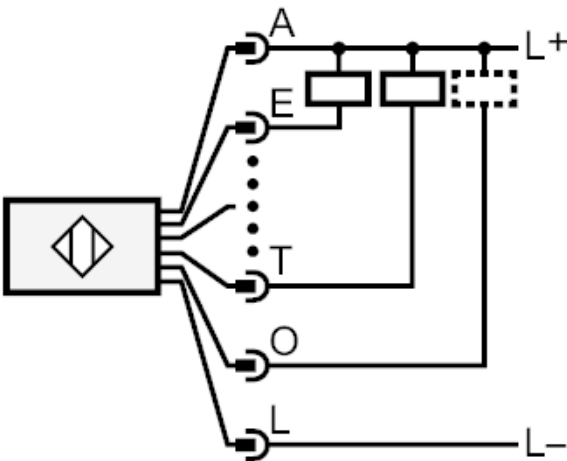
| Remarks       |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

| Electrical connection |
|-----------------------|
| Connector: 1 x M16    |

Electrical connection - Connection



Connection



- E: Out 1
- P: Out 2
- S: Out 3
- G: Out 4
- C: Out 5
- T: Out 6

O Function check output

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