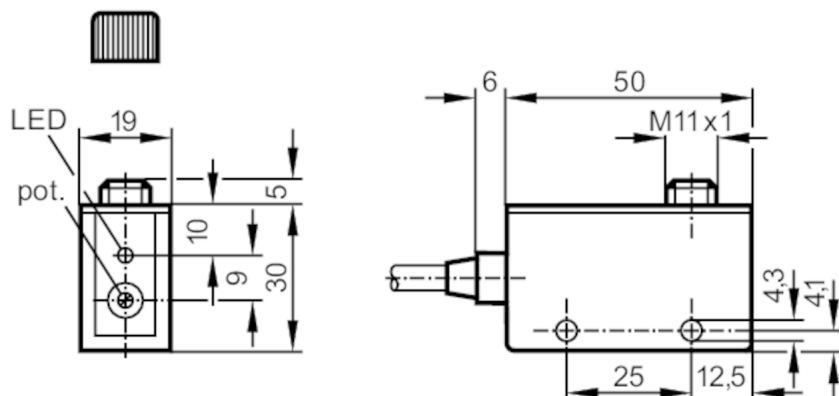




## Fibre-optic amplifier

OKF-FPKG



## Product characteristics

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

## Electrical data

|                             |              |
|-----------------------------|--------------|
| Operating voltage [V]       | 10...36 DC   |
| Current consumption [mA]    | 30; ((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; (programmable) |
| Max. voltage drop switching output DC [V]            | 2.5                                   |
| Permanent current rating of switching output DC [mA] | 250                                   |
| Switching frequency DC [Hz]                          | 120                                   |
| Short-circuit protection                             | yes                                   |
| Type of short-circuit protection                     | pulsed                                |
| Overload protection                                  | yes                                   |

## Detection zone

|                  |                                     |
|------------------|-------------------------------------|
| Range [m]        | 0...0.12; (Through-beam sensor)     |
| Range [mm]       | 0...40; (Diffuse reflection sensor) |
| Range adjustable | yes                                 |

## Operating conditions

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

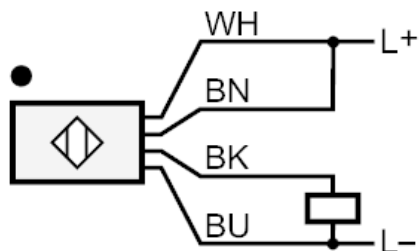
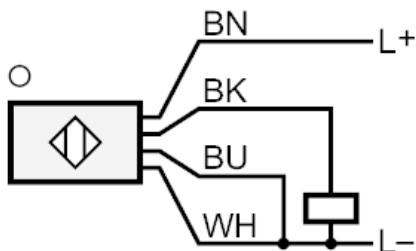
# OK5001



## Fibre-optic amplifier

OKF-FPKG

| Tests / approvals             |                                                                                   |                 |
|-------------------------------|-----------------------------------------------------------------------------------|-----------------|
| EMC                           | EN 60947-5-2                                                                      |                 |
|                               | EN 55011                                                                          | class B         |
| MTTF                          | [years]                                                                           | 529             |
| Mechanical data               |                                                                                   |                 |
| Weight                        | [g]                                                                               | 150             |
| Housing                       |                                                                                   | rectangular     |
| Dimensions                    | [mm]                                                                              | 50 x 19 x 35    |
| Materials                     |                                                                                   | PPO modified    |
| Lens alignment                |                                                                                   | side lens       |
| Displays / operating elements |                                                                                   |                 |
| Display                       | switching status                                                                  | 1 x LED, yellow |
| Accessories                   |                                                                                   |                 |
| Items supplied                | screwdrivers                                                                      |                 |
|                               | screws: 2 x M4 x 25                                                               |                 |
|                               | washers: 2                                                                        |                 |
|                               | spring washers: 2                                                                 |                 |
|                               | Nuts: 2                                                                           |                 |
| Remarks                       |                                                                                   |                 |
| Remarks                       | light-on mode corresponds to the NC output function for through-beam fibre optics |                 |
|                               | corresponds to the NO output function for diffuse-reflection fibre optics         |                 |
|                               | dark-on mode corresponds to the NO output function for through-beam fibre optics  |                 |
|                               | corresponds to the NC output function for diffuse-reflection fibre optics         |                 |
| Pack quantity                 | 1 pcs.                                                                            |                 |
| Electrical connection         |                                                                                   |                 |
| Cable: 2 m, PVC; 4 x 0.34 mm² |                                                                                   |                 |
| Connection                    |                                                                                   |                 |



Core colours :  
BN = brown  
BU = blue  
BK = black  
WH = white