



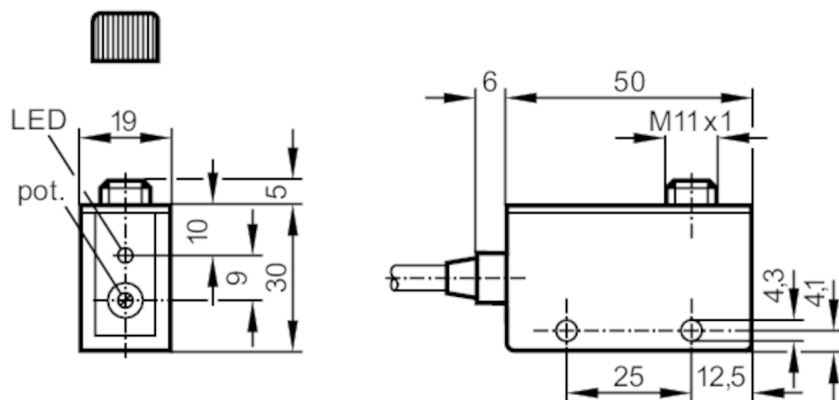
## Fiber-optic amplifier

OKF-FNKG/6M

Article no longer available - archive entry

Alternative articles: OK5022

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



## Product characteristics

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

## Electrical data

|                             |                |
|-----------------------------|----------------|
| Operating voltage [V]       | 10...50 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                                    | NPN                                   |
| 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                     | yes (non-latching)                    |
| Overload protection                                  | yes                                   |

## Monitoring range

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

# OK5009



## Fiber-optic amplifier

OKF-FNKG/6M

### Operating conditions

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

### Tests / approvals

|      |              |         |
|------|--------------|---------|
| EMC  | EN 60947-5-2 |         |
|      | EN 55011     | class B |
| MTTF | [years]      | 529     |

### Mechanical data

|                |      |              |
|----------------|------|--------------|
| Housing        |      | rectangular  |
| Dimensions     | [mm] | 50 x 19 x 35 |
| Material       |      | PPO modified |
| Lens alignment |      | Side sensing |

### 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             |

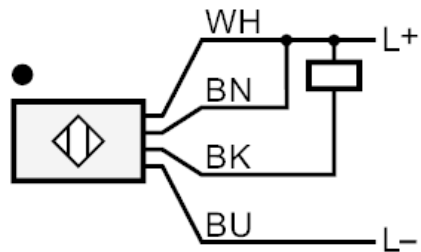
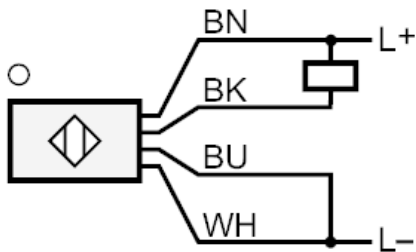
### Remarks

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

### Electrical connection

Cable: 6 m, PVC; 4 x 0.34 mm<sup>2</sup>

### Connection



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