

# Glass fiber optic

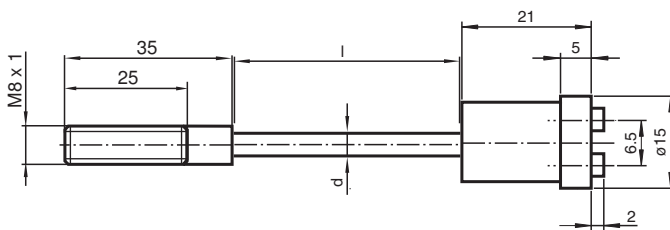
## LMR 18-3,2-1,0-K6



- Sturdy metallic version
- Chemical-resistant
- M8 x 1 thread

Glass fiber optic - diffuse with metal covering

### Dimensions



### Technical Data

#### General specifications

|                       |    |                   |
|-----------------------|----|-------------------|
| Fiber optic length    | l  | 1000 mm           |
| Fiber optic diameter  | d  | 5.3 mm            |
| Adapter form          |    | 18                |
| End piece             |    | thread            |
| Bending radius        |    | min. 20 mm        |
| Fiber bundle diameter |    | 3.2 mm            |
| Fiber configuration   | Fv | optical seperated |
| Angle of divergence   |    | 68 °              |

#### Approvals and certificates

|           |  |    |
|-----------|--|----|
| Approvals |  | CE |
|-----------|--|----|

#### Ambient conditions

|                     |  |  |
|---------------------|--|--|
| Ambient temperature |  | -20 ... 85 °C (-4 ... 185 °F) [Adapter]<br>-50 ... 200 °C (-58 ... 392 °F) [End head and Covering] |
| Storage temperature |  | -20 ... 85 °C (-4 ... 185 °F)  |

#### Mechanical specifications

|                      |  |      |
|----------------------|--|------|
| Degree of protection |  | IP40 |
|----------------------|--|------|

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**Technical Data**

|                               |                                   |
|-------------------------------|-----------------------------------|
| Material                      |                                   |
| Optical face                  | glass                             |
| Sheathing                     | metal                             |
| Core                          | Glass fiber                       |
| End piece                     | Stainless steel 1.4305 / AISI 303 |
| Adapter                       | PBT                               |
| Extraction force              | 120 N                             |
| <b>Fiber optic amplifiers</b> |                                   |
| Device series                 | VL18LL<br>VariKont M              |

## Application

**Attention:**

Fiber optics must not be twisted or kinked. Excessive tensile loads will lead to destruction. Contact with petrol or organic solvents must be prevented.

