

# Glass fiber optic

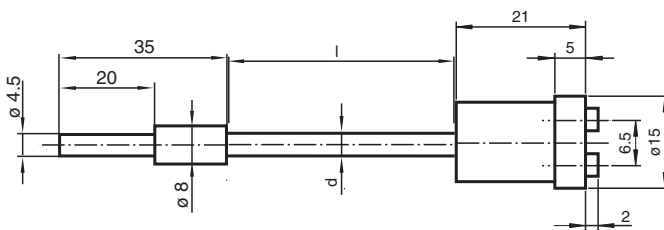
## LMR 18-2,3-0,5-K1



- Sturdy metallic version
- Chemical-resistant

Glass fiber optic - diffuse with metal covering

### Dimensions



### Technical Data

#### General specifications

|                       |    |                   |
|-----------------------|----|-------------------|
| Fiber optic length    | l  | 500 mm            |
| Fiber optic diameter  | d  | 5 mm              |
| Adapter form          |    | 18                |
| End piece             |    | Cylindrical       |
| Bending radius        |    | min. 20 mm        |
| Fiber bundle diameter |    | 2.3 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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

**Technical Data**

|                               |  |                                   |
|-------------------------------|--|-----------------------------------|
| Material                      |  |                                   |
| Optical face                  |  | glass                             |
| Sheathing                     |  | metal                             |
| Core                          |  | Glass fiber                       |
| End piece                     |  | Stainless steel 1.4305 / AISI 303 |
| Adapter                       |  | PBT                               |
| Extraction force              |  | at probe at 20°C: 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.

