

# Glass fiber optic

## LMR 18-2,3-0,5-K9

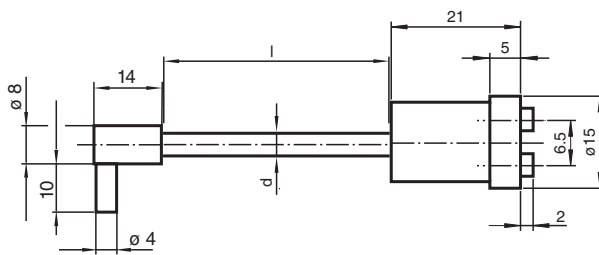


- Sturdy metallic version
- Chemical-resistant



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 right angle |
| Bending radius        |   | min. 20 mm              |
| Fiber bundle diameter |   | 1.6 mm                  |
| 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 |
| Material             |      |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

**Technical Data**

|                               |                                   |
|-------------------------------|-----------------------------------|
| 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.

