

# Glass fiber optic

## LMR 18-3,2-2,0-K10

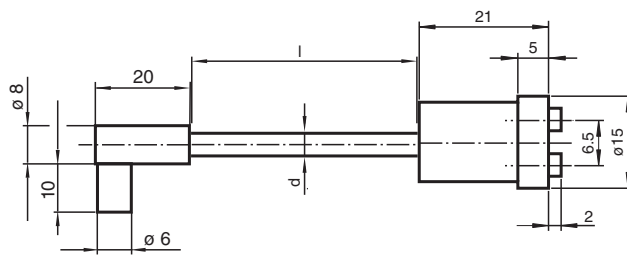


- Sturdy metallic version
- Chemical-resistant



Glass fiber optic - diffuse with metal covering

### Dimensions



### Technical Data

#### General specifications

|                       |    |                                  |
|-----------------------|----|----------------------------------|
| Fiber optic length    | l  | 2000 mm                          |
| Fiber optic diameter  | d  | 5.3 mm                           |
| Adapter form          |    | 18                               |
| End piece             |    | Thread / cylindrical right angle |
| Bending radius        |    | min. 20 mm                       |
| Fiber bundle diameter |    | 3.2 mm                           |
| Fiber configuration   | Fv | optical separated                |
| 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              |  | 120 N                             |
| <b>Fiber optic amplifiers</b> |  |                                   |
| Device series                 |  | 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.

