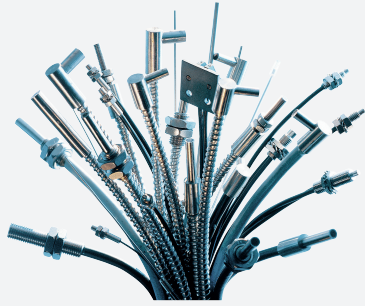


Glass fiber optic

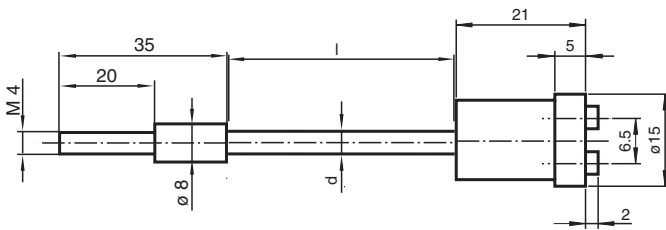
LMR 18-2,3-1,0-K3



- Sturdy metallic version
- Chemical-resistant
- Thread M4

Glass fiber optic - diffuse with metal covering

Dimensions



Technical Data

General specifications

| | | |
|-----------------------|----|--|
| Fiber optic length | l | 1000 mm |
| Fiber optic diameter | d | 5 mm |
| Adapter form | | 18 |
| End piece | | thread |
| Bending radius | | min. 20 mm |
| Fiber bundle diameter | | active 1.6 mm optical face: 2 mm ² |
| 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] -50 ... 200 °C (-58 ... 392 °F) [End head and Covering] |
| Storage temperature | | -20 ... 85 °C (-4 ... 185 °F) |

Mechanical specifications

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

Release date: 2021-07-05 Date of issue: 2021-07-05 Filename: 036897_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF 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 |
| Fiber optic amplifiers | |
| Device series | VL18LL 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.

