

Glass fiber optic

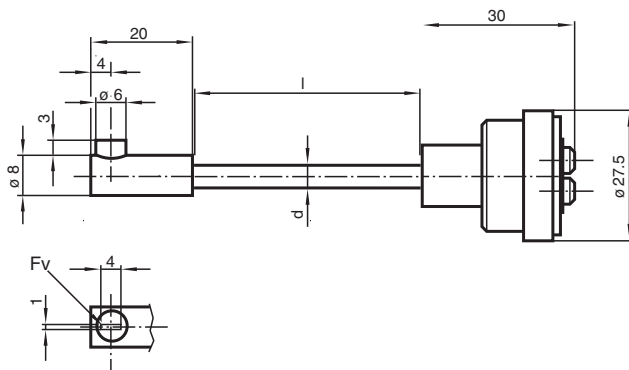
LLR 18/30-1,6-1,0-QW 1x4

■ Optical face axial



Glass fiber optic - diffuse with metal silicone covering

Dimensions



Technical Data

General specifications

Sensor range		70 mm
Fiber optic length	l	1000 mm
Fiber optic diameter	d	6.5 mm
Adapter form		18/30
End piece		Thread / cylindrical right angle
Bending radius		min. 22 mm
Fiber bundle diameter		1.6 mm optical face: 2 mm ²
Fiber configuration	Fv	statistical mixed
Angle of divergence		approx. 68 °

Approvals and certificates

Approvals	CE
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Ambient conditions

Ambient temperature	-20 ... 95 °C (-4 ... 203 °F) [Adapter] -40 ... 180 °C (-40 ... 356 °F) [End head and Covering]
Storage temperature	-20 ... 85 °C (-4 ... 185 °F)

Mechanical specifications

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

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Technical Data

Degree of protection	IP65
Material	
Optical face	glass
Sheathing	Metal-silicon
Core	Glass fiber
End piece	Stainless steel 1.4305 / AISI 303
Adapter	Polyamide PA 6.6
Extraction force	at probe at 20°C: 120 N
Fiber optic amplifiers	
Device series	GLV30

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.

