

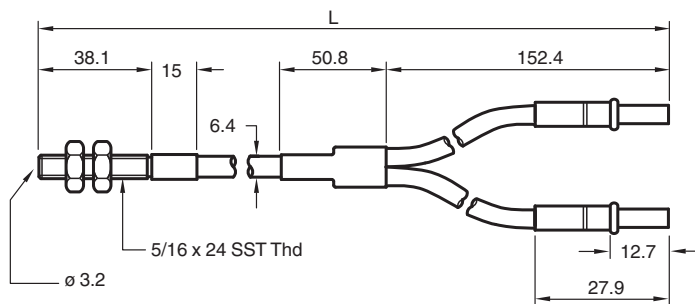


## Glass fiber optic FE-BTS6M-3

- Cylindrical sensing head
- Straight optics
- 5/16 - 24 UNF thread
- Flexible PVC sheathing

Glass fiber optic - diffuse

### Dimensions



### Technical Data

#### General specifications

Sensor range		MHP-FR: 45 mm MHP-F: 90 mm RL(K)61-LL: 160 mm MPG6HD: 180 mm
Fiber optic length	l	3 ft (.914 m)
End piece		Optical axis: Straight Type: Cylindrical / threaded barrel Thread size: 5/16 - 24 UNF
Bending radius		min. 19 mm
Fiber bundle diameter		3.2 mm

#### Ambient conditions

Ambient temperature		-40 ... 120 °C (-40 ... 248 °F)
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#### Mechanical specifications

Material		
Optical face		glass
Sheathing		PVC
Core		glass

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

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## Technical Data

End piece	Stainless steel 1.4305 / AISI 303
Adapter	Stainless steel, 4.7 mm diameter
<b>General information</b>	
Scope of delivery	2 hex nuts included
<b>Fiber optic amplifiers</b>	
Device series	MP, MHP, Series 61

## Installation

**Note:** If after installing the device the yellow signal indicator lights up or flashes, the sensor detects a nonexisting object. Reduce the sensitivity of the sensor.

## 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.



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