



### Model Number

**FE-BTS6S-3**

Glass fiber optic - diffuse

### Features

- Cylindrical sensing head
- Straight optics
- 5/16 - 24 UNF thread
- Durable stainless steel sheathing

### Series

#### Fiber optic amplifiers

Device series MP, MHP, Series 61

### Description

#### 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.



### 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	3 ft (.914 m)
End piece	Optical axis: Straight Type: Cylindrical / threaded barrel Thread size: 5/16 - 24 UNF
Bending radius	min. 25 mm
Fiber bundle diameter	3.2 mm

#### Ambient conditions

Ambient temperature	-40 ... 232 °C (-40 ... 449.6 °F)
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#### Mechanical specifications

Material	
Optical face	glass
Sheathing	Stainless steel 1.4305 / AISI 303
Core	glass
End piece	Stainless steel 1.4305 / AISI 303
Adapter	Stainless steel, 4.7 mm diameter

#### General information

Scope of delivery	2 hex nuts included
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### Installation note



If the sensor detects an object after installing the fiber optic, when no object is present (yellow led is on or blinking), reduce the sensitivity adjustment.

### Dimensions

