



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

