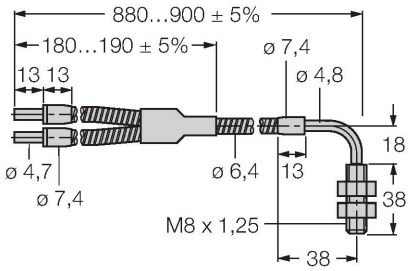
BAT23SM8
Glass Fiber – Bifurcated Fiber



Technical data

Type	BAT23SM8
ID no.	3023160
Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Glass
Mechanical data	
Dimensions	914 mm
Housing material	Stainless steel
Jacket material	Corrosion-resistant flexible tubes
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	3.2 mm
Material of the fiber-optic tip	Stainless Steel
Bending radius	Ø 25 mm
Ambient temperature	-140…+249 °C
Max. temperature tip	249 °C
Protection class	IP67

Features

- Operating mode: Diffuse/Retroreflective
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140…+249 °C
- End sleeve for sensor: Stainless steel, angled (90 °), thread M8 × 1.3
- Operating temperature of fiber-optic tip: -140…+249 °C
- Optical fiber, bundle diameter: 3.2 mm
- Optical fiber, total length: ± 914 mm

Functional principle

Glass or plastic fibers are the optimum choice for high-temperature applications and limited spaces. They transfer the light from the sensor to a remote object. Individual fibers are used for opposed mode sensing, whereas bifurcated fibers are suited for retroreflective or diffuse mode operation.