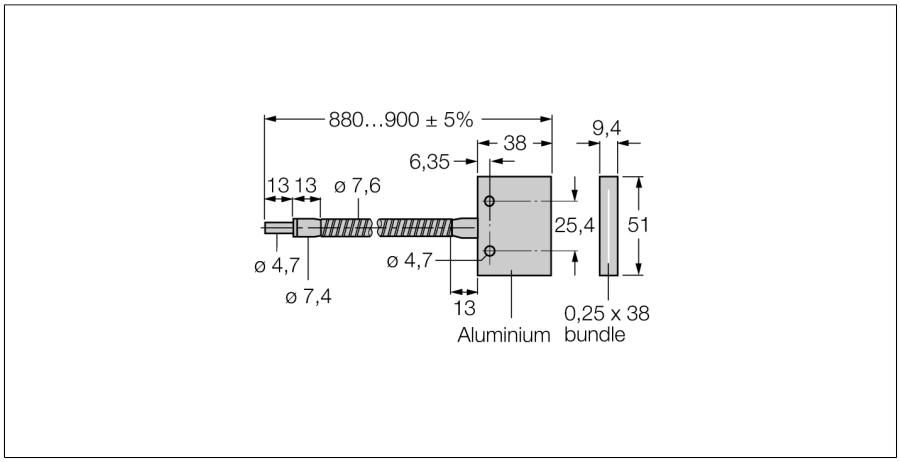
Glass Fiber
Single Conductor
IR2.53S



- Operating mode: Opposed mode sensor
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140…+249 °C
- End sleeve for sensor: Aluminum, rectangular beam exit
- Operating temperature of fiber-optic tip: -140…+249 °C
- Optical fiber, bundle diameter: 4.0 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.

Type	IR2.53S
ID	3017332

Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Glass
Scan field	38.1 mm

Mechanical data	
Design	Rectangular
Housing material	Stainless steel
Jacket material	Stainless-steel mono-winding coil
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	4 mm
Material of the fiber-optic tip	Aluminum
Bending radius	Ø 25 mm
Ambient temperature	-140…+249 °C
Max. temperature tip	249 °C

Special features	Detection of small parts

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