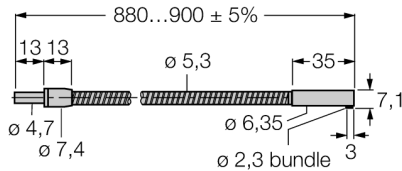


# Glass Fiber Single Conductor IA1.53SMTA



- Operating mode: Opposed mode sensor
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140...+249 °C
- End sleeve for sensor: Stainless steel, narrow angled (90 °)
- Operating temperature of fiber-optic tip: -140...+249 °C:
- Optical fiber, bundle diameter: 2.56 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	IA1.53SMTA
ID	3021056
<b>Optical data</b>	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Glass
<b>Mechanical data</b>	
Design	Rectangular
Housing material	Stainless steel
Jacket material	Stainless-steel mono-winding coil
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	2.3 mm
Material of the fiber-optic tip	Stainless Steel
Bending radius	Ø 25 mm
Ambient temperature	-140...+249 °C
Max. temperature tip	249 °C