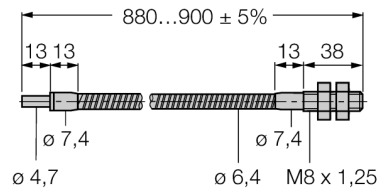


# Glass Fiber Single Conductor IT23SM8



- Operating mode: Opposed mode sensor
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140...+249 °C
- End sleeve for probe, M8 × 1.25 threaded
- 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.

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | IT23SM8                                |
| ID                              | 3017357                                |
| Optical data                    |                                        |
| Function                        | Opposed mode sensor (emitter/receiver) |
| Fiber-optic type                | Glass                                  |
| Mechanical data                 |                                        |
| Housing material                | Stainless steel                        |
| Jacket material                 | Stainless-steel mono-winding coil      |
| 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                                 |