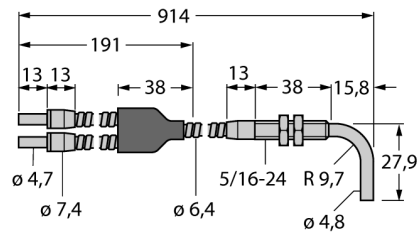


# Glass Fiber Bifurcated Fiber BTA23S



- Operating mode: Diffuse/Retroreflective
- Stainless steel jacket, flexible
- Operating temperature of fiber-optic jacket: -140...+249 °C
- End sleeve for sensor: Brass, thread 5/16"-24, angled smooth sleeve (90 °)
- 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.

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Type                            | BTA23S                            |
| ID                              | 3020008                           |
| Optical data                    |                                   |
| Function                        | Diffuse mode sensor               |
| Fiber-optic type                | Glass                             |
| Mechanical data                 |                                   |
| Design                          | Circular                          |
| 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                            |