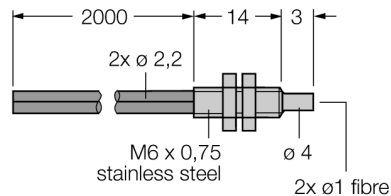


# Plastic Fiber Bifurcated Fiber PBT46UHT1



- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Male end, pluggable
- End sleeve for probe, M6 × 0,75 threaded, high temperature proof up to 125 °C
- Optical fiber, core diameter 1.0 mm
- Optical fiber, total length: ± 1829 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	PBT46UHT1
ID	3042799
Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Plastic
Mechanical data	
Housing material	Plastic, PE, Black
Jacket material	Polyethylene
Jacket material	plastic, PE
Bundle diameter	1 mm
Material of the fiber-optic tip	Stainless Steel
Bending cycles	1000
Bending radius	Ø 15 mm
Ambient temperature	-30...+125 °C
Max. temperature tip	70 °C