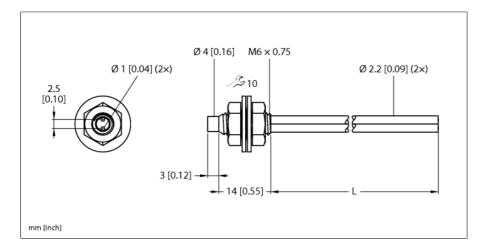


Plastic Fiber Bifurcated Fiber PBT46UM6M.1



Type PBT46UM6M.1 ID 3077833 Optical data Function Diffuse mode sensor Fiber-optic type Plastic Mechanical data Design Threaded barrel Housing material Plastic, PE, Black Jacket material Polyethylene Jacket material plastic, PE Bundle diameter 1 mm Material of the fiber-optic tip Nickel-Plated Brass Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C Protection class		
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Jacket material Polyethylene Jacket material plastic, PE Bundle diameter 1 mm Material of the fiber-optic tip Nickel-Plated Brass Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Design	Threaded barrel
Jacket material plastic, PE Bundle diameter 1 mm Material of the fiber-optic tip Nickel-Plated Brass Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Housing material	Plastic, PE, Black
Bundle diameter 1 mm Material of the fiber-optic tip Nickel-Plated Brass Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Jacket material	Polyethylene
Material of the fiber-optic tip Nickel-Plated Brass Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Jacket material	plastic, PE
Bending cycles 5000 Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Bundle diameter	1 mm
Bending radius Ø 25 mm Ambient temperature -30+85 °C Max. temperature tip 70 °C	Material of the fiber-optic tip	Nickel-Plated Brass
Ambient temperature -30+85 °C Max. temperature tip 70 °C	Bending cycles	5000
Max. temperature tip 70 °C	Bending radius	Ø 25 mm
and the second s	Ambient temperature	-30+85 °C
Protection class IP67	Max. temperature tip	70 °C
	Protection class	IP67

- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Cable, straight, customizable
- End sleeve for sensor: Thread
- 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.