

PBT26UM6M.1

Plastic Fiber – Bifurcated Fiber

Technical data

Type	PBT26UM6M.1
ID no.	3065942
Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Plastic
Mechanical data	
Design	Threaded barrel
Dimensions	1828 mm
Housing material	Plastic, PE, Black
Jacket material	Polyethylene
Jacket material	plastic, PE
Bundle diameter	0.5 mm
Material of the fiber-optic tip	Nickel-Plated Brass
Bending cycles	10000
Bending radius	Ø 10 mm
Ambient temperature	-30...+70 °C
Max. temperature tip	70 °C
Protection class	IP67

Features

- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Cable, straight, customizable
- End sleeve for sensor: Thread
- Optical fiber, core diameter 0.5 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.