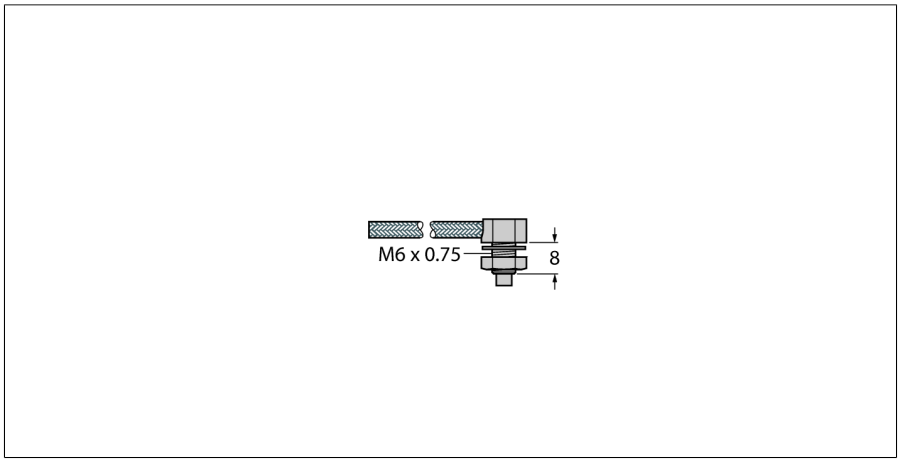
Plastic Fiber
Bifurcated Fiber
PBAT43TMB5MTA



- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30…+70 °C
- SteelSkin sheath, terminated
- End sleeve for probe, angled (90°), threaded
- Optical fiber, core diameter 1.0 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	PBAT43TMB5MTA
ID	3010454

Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Plastic

Mechanical data	
Design	Circular
Housing material	Plastic, PE, Black
Jacket material	STEELSKIN
Jacket material	metal, 1.4310 (AISI 301)
Bundle diameter	1 mm
Material of the fiber-optic tip	Stainless Steel
Bending cycles	1000
Bending radius	Ø 12 mm
Ambient temperature	-30…+70 °C
Max. temperature tip	70 °C

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