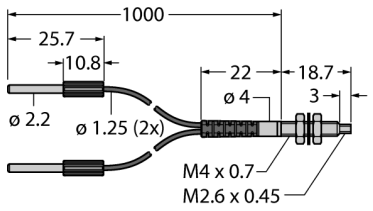
Plastic Fiber
Bifurcated Fiber
PBT23UM4-VL



- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30…+70 °C
- Cable, straight, customizable
- End sleeve for sensor: Thread
- Strain relief
- Optical fiber, core diameter 0.5 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	PBT23UM4-VL
ID	3087518

Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Plastic

Mechanical data	
Design	Circular
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	1000
Bending radius	Ø 15 mm
Ambient temperature	-30…+70 °C
Max. temperature tip	70 °C

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