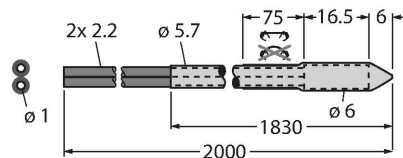


PBE415UTMLLPHT1

Plastic Fiber – Bifurcated Fiber



Features

- Operation: diffuse/opposed mode
- Polyethylene sheath, flexible
- Operating temperature: -30...+70 °C
- Male end, pluggable
- End sleeve for sensor, encapsulated
- Optical fiber, core diameter 1.0 mm
- Total length of optical fiber: ± 4572 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.

Technical data

Type	PBE415UTMLLPHT1
ID no.	3056144
Optical data	
Function	Diffuse mode sensor
Fiber-optic type	Plastic
Mechanical data	
Design	Circular
Dimensions	3658 mm
Housing material	Plastic, PE, Black
Jacket material	FEP
Jacket material	plastic, PE
Bundle diameter	1 mm
Material of the fiber-optic tip	FEP
Bending cycles	1000
Bending radius	Ø 15 mm
Ambient temperature	-30...+105 °C
Max. temperature tip	70 °C
Protection class	IP67
Special features	Chemical-resistant Filling level detection Resistant to chemicals