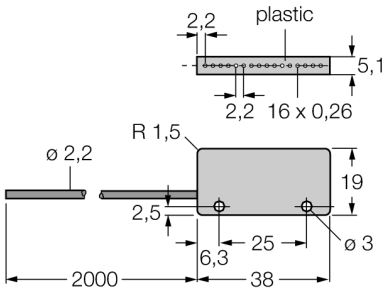
Plastic Fiber
Single Conductor
PIRS1X166UMPMAL



- Operation: opposed mode
- 2 pcs. included in delivery
- Polyethylene sheath, flexible
- Operating temperature: -30…+70 °C
- Cable, straight, customizable
- End sleeve for sensor, rectangular, lateral beam exit
- Optical fiber, core diameter 0.265 mm × 16
- 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.

Type	PIRS1X166UMPMAL
ID	3048066

Optical data	
Function	Opposed mode sensor (emitter/receiver)
Fiber-optic type	Plastic
Scan field	33.5 mm

Mechanical data	
Design	Rectangular
Housing material	Plastic, PE, Black
Jacket material	Polyethylene
Jacket material	plastic, PE
Material of the fiber-optic tip	Polyethylene
Bending cycles	10000
Bending radius	Ø 15 mm
Ambient temperature	-30…+70 °C
Max. temperature tip	70 °C

Special features	Detection of small parts

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