PBPS46UM6

ANGLE FIBER OPTICS



Plastic Fiber; Diffuse Reflective

Core Dia.: 1 mm; Fiber Length 2 m

Probe Length 153 mm; Sideview

Free cut

Part Number: 94696

COMPATIBLE AMPLIFIERS

Where applicable, maximum range for opposed mode fibers is also dependent on fiber length.



DF-G1 Series General Purpose Fiber Optic Amplifier

Fiber amplifier with IO-Link capability ideal for general purpose and error proofing. Has simple set-up and configuration. Output: NPN or PNP.

DF-G2 Series High Speed Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for high speed (10 µs) for applications like part counting or registration mark detection. Output: NPN or PNP.

DF-G3 Series Long Range Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for detection up to 6 m, precise positioning, and water detection. Output: analog, discrete, dual discrete.



SPECIFICATIONS

Housing Style	Round
Quantity Included	1
Fiber Optic Type	Plastic
Sensing Mode (General)	Diffuse
Sensing Mode (Detailed)	Reflective
Beam Exit	Right Angle
Sensing End Material (Specific)	Stainless Steel
Fiber Sheathing Material (Jacket)	Polyethylene
Fiber Sensing End Tip	Sideview
Fiber Length (m)	2
Fiber Sensing End Size	3.0 mm
Sensing End Segment 1	Probe
Sensing End Segment 2	Sideview
Retractile	No
Flex Relief	No
Core Diameter (mm)	1
Minimum Bend Radius (mm)	25
Termination	Free Cut
Max Temp (°C)	85

Minimum Repeat Bending Endurance	5000
Integrated Lens	No
Feature: Chemical Resistant	No
Feature: Extended Range	No
Feature: Small Object Detection	No
Application: Liquid Level	No
Application: Vacuum Feed Through	None
Max Distance: DF-G1 (mm)	No Data
Termination Type	Plastic Fiber Sensors
Tariff Fiber Meters (fbm)	4
Max Distance: DF-G2 (mm)	No Data
Max Distance: DF-G3 (mm)	No Data
Fiber Sensing End Size - Mounting Area	5.1 mm
Measured Max Distance (mm)	No Data

COMPATIBLE PRODUCTS

MISCELLANEOUS



PFC-4

PFC-4 Fiber Cutter for Unterminated Plastic Fiber Cables

PFK-B

Plastic Fiber Kit
Contains qty. 2 p/n 13443 Sensor Adaptors 40 mil and
qty. 2 p/n 116232 Sensor Adaptors 20 mil

Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America