

BANNER'S CALL FOR PARTS CREATES A STEADY WORKFLOW AND PINPOINTS CRITICAL ISSUES. LEARN MORE.



PBT43TSL5-VL

► HIGH PERFORMANCE FIBER OPTICS: VANTAGE LINE



Plastic Fiber, Diffuse Reflective
Core Dia.: 1 mm; Fiber Length 1 m
Thread M6
Stainless Monocoil
25 mm Bend Radius
Vantage Line
Part Number: 93948



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.

RESPONSE SPEED	MAXIMUM RANGE
200 μ s	125 mm
500 μ s	125 mm
2000 μ s	250 mm
5000 μ s	310 mm



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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.

RESPONSE SPEED	MAXIMUM RANGE
10 µs	130 mm
15 µs	150 mm
50 µs	225 mm
250 µs	325 mm
500 µs	450 mm
>1000 µs	500 mm




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.

RESPONSE SPEED	MAXIMUM RANGE
500 µs	960 mm
1000 µs	1,185 mm
2000 µs	1,185 mm
8000 µs	1,585 mm
24000 µs	2,410 mm

SPECIFICATIONS

Max Range: DF-G3 (mm)	>1m - <=3m
Housing Style	Round

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Quantity Included	1
Fiber Optic Type	Plastic
Sensing Mode (General)	Diffuse
Sensing Mode (Detailed)	Reflective
Beam Exit	In-line
Sensing End Material (Specific)	Stainless Steel
Fiber Sheathing Material (Jacket)	Stainless Steel Monocoil
Fiber Sensing End Tip	Ferrule
Fiber Length (m)	1
Fiber Sensing End Size	4.0 mm
Sensing End Segment 1	Thread
Sensing End Segment 2	Ferrule
Retractable	No
Flex Relief	No
Core Diameter (mm)	1
Minimum Bend Radius (mm)	25
Termination	Terminated
Max Temp (°C)	70
Minimum Repeat Bending Endurance	1000
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
Termination Type	Plastic Fiber Sensors
Measured Max Distance (mm)	310
Fiber Sensing End Size - Mounting Area	M6
Max Distance: DF-G3 (mm)	2409




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Max Distance: DF-G2 (mm)	502
Max Distance: DF-G1 (mm)	310
Tariff Fiber Meters (fbm)	2


COMPATIBLE PRODUCTS

BRACKET



SMBFP6

SMBFP6 MOUNTING BRACKET



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



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