

Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your

product of choice.

Features

Short LongFellow Linear Position Transducer, 101,6 mm [4.0 in] Electrical Travel, Binder Series 681 Termination, Item Number F56104101

SLF04N6000F6A

- ? MystR ® plastic elements Tested up to one billion operations ? Precious metal wipers - Insures high performance, low noise
- .081" thick housing with 6 mm shaft - Rugged construction for manufacturing environment
- High performance bearings Long life even with side load
- conditions Shaft seals - Protects internal components from factory environment
- ? Absolute continuous measurement - Accurate position at power - up
- ? High level DC output Works with simple controls

? Injection molding machines

Typical Applications

- ? Printing presses
- ? Meat packing equipment
- Drill presses Wookworking machines
- Cranes
- Front end loaders

Description

position or displacement up to 6" on a wide variety of

manufacturing and process equipment. The mechanical design of the unit's front bearing, anodized extruded aluminum housing, stainless steel shaft and precious metal wipers are suitable for a factory's harsh environment. ® conductive plastic film, it Based on the proprietary MystR provides a high resolution, absolute position measurement

The Short Longfellow is frequently used for measuring linear

without external signal conditioners. Intrinsically safe for Class I, II and III Division I, Groups A, B, C, D, E, F and G for hazardous (indoor/outdoor) NEMA 4 locations. V max.=30 V, I max.=100 mA, Ci=0, Li,=0mH.

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Honeywell

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Product Specifications	
Supply Voltage	40 Vdc max.
Measurement Гуре	Linear
Housing Size	176,5 mm [6.95 in]
Total Mechanical Fravel	105,4 mm [4.15 in]
Electrical Travel	101,6 mm [4.0 in]
Starting Force max.)	0,45 kg [1.0 lb]
Linearity	± 1.0 %
Backlash	0,025 mm [.001 in]
Bearing Type	Sleeve
Shaft Material	Stainless Steel
Shaft Diameter	1/4 in - 28 NF - 2A thread
Type of Element	MystR [®] conductive plastic film
Housing Style	Anodized Aluminum
Termination	Binder Series 681
Wiper Current	<1 μ A
Resolution	Infinite
Operating Femperature Range	- 65 °C to 105 °C [- 85 °F to 221 °F]
Vibration	20 g / 0,75 mm (rms) 5 hz to 2 khz
Shock	50 g 11 ms half sine
Operating Life	one billion dither operations
Total Resistance	6,000 Ohms
Resistance Tolerance	± 20 %
Weight (Ranges)	182 g [0.4 lb]
Sealing	NEMA 4
UNSPSC Code	41111945
UNSPSC Commodity	41111945 Linear position sensors
Availability	Global
Comments	Note; Mating Connector, Item Number 3718401, Sold Separately. Options; Electrical Travel, Total Resistance, Linearity, Rod End Bearing, Ball Joint Assembly, Shaft Thread (M6 x 1 Metric), Dual Elements
Series Name	SLF Series

Series 681 Termination, Item Number F56104101

SLF04N6000F6A

xx.xx = inches

(xx.x) = mm

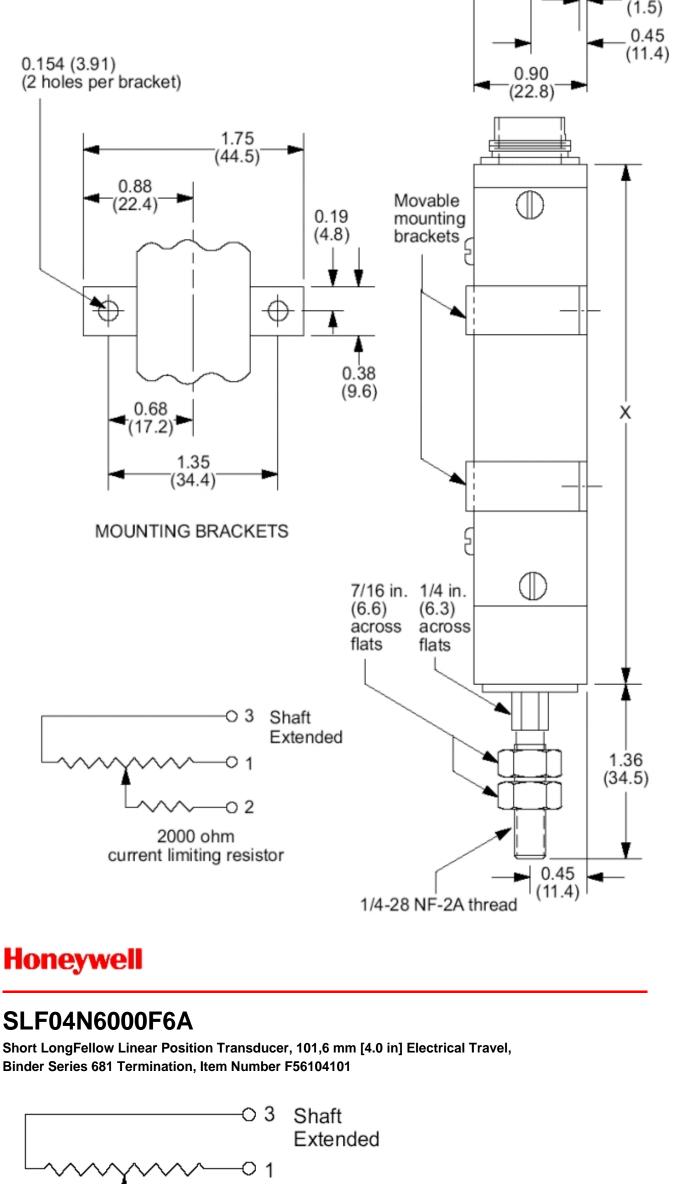
0.45

(22.9)

0.06

DIMENSIONS (Dimensions Are For Reference Only)

Short LongFellow Linear Position Transducer, 101,6 mm [4.0 in] Electrical Travel, Binder



2000 ohm



Binder Series 681 Termination, Item Number F56104101

A WARNING

PERSONAL INJURY DO NOT USE these products as safety or emergency stop devices, or in any other

application where failure of the product could result in personal injury. Failure to comply with these instructions could result in death or serious injury.

Short LongFellow Linear Position Transducer, 101,6 mm [4.0 in] Electrical Travel,

A WARNING

MISUSE OF DOCUMENTATION

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- ? The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information. ? Complete installation, operation and maintenance information is provided in the
- instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.