

Honeywell Sensing and Control

LTS



LTS01N01KF5C Linear Potentiometric Sensors

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- Microstructure (2298)
- NTC Thermistors (147)
- Thick Film (1764)



Actual product appearance may vary.

LT Series Standard Linear Position Transducer, 25,4 mm [1.0 in] Electrical Travel, 1.0 % Linearity, Cable Termination, Item Number F58000101

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Product Specifications

Type Level 1	Sensors
Type Level 2	Linear and Distance Position Sensors
Type Level 3	Linear Potentiometric Sensors
Function Level 1	Presence/Absence Speed and Positioning
Function Level 2	Contacting
Technology Level 1	Thick Film
Supply Voltage	30 Vdc max.
Measurement Type	Linear
Housing Size	63,5 mm [2.5 in]
Total Mechanical Travel	26,67 mm [1.05 in]
Electrical Travel	25,4 mm [1.0 in]
Starting Force (max.)	28,35 g max. [1.0 oz max.]
Linearity	± 1.0 %
Backlash	0,00508 mm max. [0.0002 in max.]
Bearing Type	Sleeve
Shaft Material	Stainless Steel
Shaft Diameter	1/8 in - #4-40 UNC-2A thread
Element Type	MystR [®] conductive plastic film
Housing Type	Anodized Aluminum
Termination	28 awg, 3 cond. - 152,4 mm [6.0 in] cable
Wiper Current	<1 µA
Resolution	Infinite
Operating Temperature	-40 °C to 80 °C [-40 °F to 176 °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
Resistance	1,000 Ohms

Resistance Tolerance	± 20 %
Insulation Resistance	500 MOhm @ 500 Vdc
Dielectric Strength	1000 V rms
Weight	20 g [0.71 oz]
Sealing	NEMA 4
UNSPSC Code	41111945
UNSPSC Commodity	41111945 Linear position sensors
Availability	Global
Comments	Options: Electrical Travel, Total Resistance, Rod End Bearing, Metric Shaft Adapter
Series Name	LT

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