

LT24E-R16-3LI0-EX-B1140

Magnetically actuated linear position sensor – Analog

Features

13.5...30 VDC
Analog output, 4...20 mA
loop-powered

Wiring diagram



Technical data

Type	LT24E-R16-3LI0-EX-B1140
ID	LT0927
Measuring principle	Magnetostrictive
Measuring range	609.6 mm
Resolution	0.025 % of full scale/0.014 in. (whichever value is greater)
Null zone	8 in.
Dead band	2 in.
Accuracy	0.1 % of full scale or 0.050 in
Repeatability	0.014 in + 0.05 % of full scale (typ.)
Operating voltage U_B	13.5...30 VDC
Output function	2-wire, Analog output
Current output	20...4 mA
Current consumption	loop-powered
Approvals	ATEX FM Div.1 FM Div.2
Dimensions	863.6 mm
Flange Adapter	Without adapter
Housing material	Stainless steel, 1.4435 (AISI 316L)
Electrical connection	Connector, 7/8"
Ambient temperature	-40...+70 °C
Protection class	IP68
Pressure resistance	1000 psi

Functional principle

