



LM150KIQP

LM SERIES PRECISION MEASUREMENT SENSOR



Laser Displacement Sensor

Range: 50-150 mm Input: 10-30 V dc; Outputs:
Analog:4-20 mA

Discrete: Push/Pull, IO-Link

Quick-Disconnect Pigtail

Part Number: 803940

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Triangulation
Housing Style	Rectangular
Primary Housing Material	Stainless Steel
Laser Classification	Class 2
Input/Output	Analog & Discrete
Indicator	LED(s)
Analog Output Configuration	4-20 mA
Analog Resolution	0.001 mm

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Max Sensing Distance (mm)	150
Minimum Sensing Distance (mm)	50
Sensing Beam	Visible Red Laser
Power Supply	10-30 V dc
Delay at Power-up (ms)	2100
Sensing Beam Wavelength (nm)	655
Adjustments	Remote Teach
Temperature Effect (mm/°C)	+/- 0.008 mm/°C
Connection	Pigtail QD
QD Type/Cable Length	M12 (Euro) requires mating cordset
Number of Pins	5
Vibration	IEC 60947-5-2 (vibration:10 to 60Hz max., double amplitude 0.06", max acc. 10G).
Mechanical Shock	IEC 60947-5-2 requirements: 30G 11 ms duration, half sine wave
Output Saturation Voltage NPN Outputs	< 2.5 V at 50 mA
Output Saturation Voltage PNP Outputs	< 3 V at 50 mA
Analog Current Output Rating	500 Ω max
Max Discrete (Switched) Output (mA)	50
Discrete (Switched) Outputs	1 NPN/PNP Configurable
Output Protection	Protected against continuous overload and short circuit
IP Rating	IP67
Storage Temperature (°C)	-35 to 60
Max Operating Temperature (°C)	55
Min Operating Temperature (°C)	-10
Max Op. Relative Humidity Non-Condensing	90 at 55°C
Window Material	Acrylic

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