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LLE101000



Actual product appearance may vary.

LLE Series Liquid Level Sensor with Polysulphone housing; Enhanced; Type 1; -25°C to 80°C; 250 mm lead wires; Nitrile seal washer

Features

Solid state reliability - no moving parts
Miniature size
Microprocessor compatible
Very large choice of sensing media
Fast response
Cost effective
Polysulphone sensor housing suitable for hygiene applications
Options available for internal or external mounting

Potential Applications

Automotive on board
Home appliances
Food and beverage processing
Compressors
Machine tools
Vending machines

Description

The LLE series of enhanced liquid level sensor uses a photo-transistor trigger which provides a digital output that denotes the presence or absence of liquid. This series incorporates reverse polarity, over voltage, short circuit and transient protection.

Supporting Documentation

- ▢ Dimensions
- ▢ Option: Stainless steel nut
- ▢ Connection Diagram
- ▢ Compatible Fluids
- ▢ Installation Instructions

Product Specifications	
Sensor Type	Enhanced Sensor
Operating Temperature Range	-25 °C to 80 °C [-13 °F to 176 °F]
Storage Temperature Range	-30 °C to 85 °C [-22 °F to 185 °F]
Housing Material	Polysulphone
Housing Type	Type 1
Supply Voltage	5.0 Vdc to 12.0 Vdc
Output Type	High in air
Application Type	Variable
Termination Type	250 mm lead wires
Seal Washer	Nitrile rubber
Stainless-Steel Nut	Yes
Dome Dimension	3,5 mm radius
Thread Dimension	M12 x 1 x 8g
Hex Dimension	19 mm [0.75 in]
Pressure Range	0 to 5 bar
Supply Current	15 mA nom.
Output Sink Current	10 mA max. @ 25 °C
Repeatability	1 mm [0.04 in]
Hysteresis (dependant on liquid)	2 mm [0.08 in]
Response Time - Rising Liquid	50 µs
Response Time - Falling Liquid	1 s max. (in ethanol)
Availability	Global
Accessories	41001458001W
Comment	Enhanced device incorporating circuit protection.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Series Name	LLE

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