

# US12M150FBIU-B4 Cut Sheet



di-soric ultrasonic proximity sensor, tubular, 12mm diameter x 84mm body, nickel plated brass housing, diffuse, 0–10 VDC or 4–20 mA analog output, 0–150mm sensing distance, IP67, 4-pin M12 quick-disconnect, IO-Link v1.1.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/US12M150FBIU-B4>

## Technical Specifications

<b>Brand</b>	di-soric
<b>Item</b>	Proximity sensor
<b>Sensor Type</b>	Ultrasonic
<b>Application</b>	Standard duty, analog output and IO-Link
<b>Shape</b>	Tubular
<b>Housing Size</b>	12mm diameter x 84mm body
<b>Housing Material</b>	Nickel-plated brass
<b>Barrel Type</b>	Threaded
<b>Sensing Method</b>	Diffuse
<b>Adjustable</b>	No
<b>Number of Wires</b>	4
<b>Analog Output</b>	0–10 VDC or 4–20 mA
<b>Sensing Distance</b>	0–150mm
<b>Switching Frequency</b>	20 Hz
<b>Operating Voltage</b>	18–30 VDC

<b>Operating Temperature</b>	-25 to +70 °C
<b>Weld Field Immune</b>	No
<b>Chip Immune</b>	No
<b>IP Rating</b>	IP67
<b>Connection</b>	4-pin M12 quick-disconnect
<b>IO-Link Compatible</b>	Yes
<b>Communication Port and Connection Type(s)</b>	(1) 4-pin M12 A-coded (IO-Link) port(s)
<b>Port Protocol(s)</b>	IO-Link Class A Device
<b>Port Speed(s)</b>	IO-Link COM2
<b>IO-Link Version</b>	IO-Link v1.1
<b>Standard I/O Mode Supported</b>	Yes
<b>Includes</b>	Mounting hardware
<b>Additional Information</b>	Narrow beam

## Agency Approvals

<b>UL Listed File #</b>	E303138
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/US12M150FBIU-B4.pdf>  
See store item page for other formats.