



# US50

## 95B040120

**US50-PR-5-N43-OH**  
ULTRASONIC SENSOR

## OVERVIEW

- Digital bipolar PNP/ NPN NO /NC configurable output model
- Digital and 0-10 V / 4-20 mA configurable analogue output model
- Operating range of 200 mm...8m
- Minimum resolution: 1 mm
- Analogue output Linearity: +/- 0.2% of span from 200 to 8000 mm; +/- 0.1% of span from 500 to 8000 mm (1 mm minimum)
- Minimum window size: 20mm
- Repeatability: 1 mm
- Hysteresis: 5 mm
- Response Time: 100 ms to 1600 ms
- DIP SWITCH selectable
- Access to bank of 8 DIP switches through sealed cover for superior user functionality
- Fast, easy-to-use REMOTE TEACH - Mode programming; no potentiometer adjustments
- Wide operating range of -20° to +70°C with compensation function
- Rugged encapsulated design for harsh environments
- Unique housing design allows for multiple mounting configurations
- Euro-style quick-disconnect fitting

## TECHNICAL FEATURES

Detection properties

Nominal sensing distance

8 m

Sensitivity adjustment	Teach-in
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#### Application

Description	M50 tubular - lateral emission
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Functions	Object detection/distance meas.
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#### Outputs

Output type	NPN / PNP
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Response time	100,000
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#### Electrical data

Operating Voltage	10-30 VDC
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Emission	75kHz
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#### Mechanical data

Dimensions	Ø50x67
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Material	Plastic - ABS
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Connections	M12
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#### Generical Data

Dimensions	Ø50x67
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## Datasensing S.r.l.

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