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### 948-HSY-2D-003-300E



Actual product appearance may vary.

Series 948, 300 mm [12.0 in] scan distance, thru scan sensing, separate transmitter and receiver units, plastic housings, 2 meter [78.75 in] cable

#### Features

Compact size  
Sensing distance of up to 300 mm [12.0 in]  
Available in four output configurations: N.O. PNP, N.O. NPN, N.C. PNP, N.C. N  
Switching frequency of 150 Hz  
2 m [78.75 in] cable  
IP67 sealing

#### Potential Applications

Food and beverage  
Rapid presence/absence detection: bottle counting  
Loop control

#### Description

The 948 Series industrial control performs distance measurement by using an ultrasonic beam. The 948 Series is one of the smallest ultrasonic thru scan devices in the world. It is well suited for food and beverage applications, such as, bottle counting. These sensors are easy to install and ideal for applications where space is at a premium.

#### Supporting Documentation

- [Installation Instructions](#) - [Accessory: Power Supply](#)  
[Multiple Languages](#)

Product Specifications	
Sensing Range	0 mm to 300 mm [0 in to 12.0 in]
Range Type	Short range < 1,0 m [39.0 in]
Min. Sensing Distance of Test Target	0 mm
Supply Voltage	18 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	300 KHz
Output Type	Switching PNP current flows, when no target interrupts beam
Switching Output Type	Normally Closed (N.C. )
Response Time	1 ms
Response Time (Target Present/Absent)	1 ms
Max. Switching Frequency	150 Hz
Adjustment Method	None
Operating Temperature Range	- 15 °C to 60 °C [5 °F to 140 °F]
Storage Temperature	- 15 °C to 60 °C [5 °F to 140 °F]
Maximum Output Current	500 mA
Adjustable Sensitivity	No
Indicators	1 LED
Current Consumption	< 40 mA
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	Plastic rectangular
Housing Material	Polyethyleneterephthalat
Sealing	IP67
Mounting	4 x 3 mm screws (not supplied)
Sensing Face Material	Epoxy
Termination Type	Pre - wired 2 m [78.74]
Availability	Global
UNSPSC Code	41111926
UNSPSC Commodity	41111926 Proximity sensors
Series Name	948

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