

Honeywell Sensing and Control

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943-F4Y-2D-001-360E

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Actual product appearance may vary.

Series 943, software programmable, 60 mm to 500 mm [2.3 in to 19.69 in.] scan distance, M18 plastic housing, Analog 0 Vdc to 10 Vdc, Connector termination

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Product Specifications

Sensing Range	30 mm to 400 mm [1.18 in to 15.74 in.]
Range Type	Short range < 1.0 m [39.0 in]
Min. Sensing Distance of Test Target	30 mm [1.18]
Supply Voltage	12 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	360 kHz
Integrated Temperature Compensation	Yes
Repeatability	0.2%/1 mm
Output Type	Analog 0 Vdc to 10 Vdc
Switching Output Type	2 Outputs - Configure for Normally Open/Normally Closed
Response Time	100 ms
Max. Switching Frequency	15 Hz
Adjustment Method	Teach-in
Analog Output Slope Selection	Teach-in
Operating Temperature	-15 °C to 70 °C [5 °F to 158 °F]
Storage Temperature	-25 °C to 70 °C [-13 °F to 158 °F]
Linearity	< 0.3 %
Load Resistance	min. 2 kOhm
Maximum Output Current	500 mA
Hysteresis	0.01
Indicators	3 LED
Memory	EEPROM (non-volatile)
Current Consumption	< 35 mA
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	M18 plastic
Housing Material	Polyethyleneterephthalat
Sealing	IP67
Mounting	2 x M18 plastic nuts 24 mm
Sensing Face Material	Epoxy
Termination Type	Connector
Connector Type	M12, 5 pin (female connector not included)
Availability	Global
Normally Open/Normally Closed selection	Teach-in
UNSPSC Code	41111926
UNSPSC Commodity	41111926 Proximity sensors
Series Name	943

contacts

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