

## 943-F4Y-2D-002-180E

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**Series 943, software programmable, 200 mm to 2000 mm [7.9 in to 78.5 in.] scan distance, M18 plastic housing, switching 2 x NPN, 2 m [78.74]**

Actual product appearance may vary.

### Product Specifications

Sensing Range	200 mm to 2000 mm [7.9 in to 78.5 in.]
Range Type	Middle range 1,0 m to 2,0 m [39.0 in to 79.0 in]
Min. Sensing Distance of Test Target	200 mm [7.87]
Supply Voltage	12 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	180 KHz
Integrated Temperature Compensation	Yes
Repeatability	0.2 %/2 mm
Output Type	Switching 2 x NPN
Switching Output Type	2 Outputs - Configure for Normally Open/Normally Closed
Max. Switching Frequency	1.2 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]
Maximum Output Current	500 mA
Hysteresis	0.01
Indicators	3 LED
Memory	EEPROM (non-volatile)
Current Consumption	< 80 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	Pre-wired 2 m [78.74]
Availability	Global

Product Specifications

Normally Open/Normally Closed selection	Teach-in
UNSPSC Code	41111960
UNSPSC Commodity	41111960 Ultrasonic sensor
Series Name	943

# Mouser Electronics

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