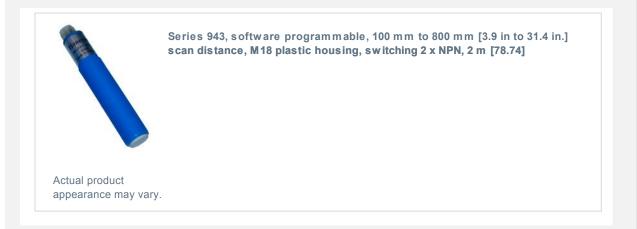


943-F4Y-2D-002-300E

(Home: Products: Sensors: Position Sensors: Ultrasonic Sensors: 943)



Sensing Range100 mm to 800 mm [3.9 in to 31.4 in.]Range TypeShort range < 1.0 m [3.9.0 in]Min. Sensing Distance of Test Target100 mm [3.94]Supply Voltage12 Vdc to 30 VdcBeam Angle8°Oscillating Frequency300 KHzCompensationYesCompensation2 %/1 mmOutput TypeSw itching 2 x NFNSw itching Voltage2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency16's °C to 70 °C [5 °F to 158 °F]Output Type15's °C to 70 °C [5 °F to 158 °F]Sorage Temperature15's °C to 70 °C [5 °F to 158 °F]Operating Temperature15's °C to 70 °C [5 °F to 158 °F]Maximum Output Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mACircli ProtectionReverse Polarity, voltage spikes on supply and output lines, short circli vol sw itching outputHousing MaterialPolyethylenterephataltHousing MaterialPolyethylenterephataltSealing1667Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpxyTermination TypePre-w ired 2 m [78.74]		Product Specifications
Min. Sensing Distance of Test Target100 mm [3.94]Supply Voltage12 Vdc to 30 VdcBeam Angle8°Oscillating Frequency300 KHzIntegrated Temperature CompensationYesRepeatability0.2 %/1 mmOutput TypeSw itching 2 x NPNSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mACircuit ProtectionReverse Polarity, voltage spikes on supply and output lines, short circuit on sw itching outputHousing StyleM18 plasticHousing MaterialPolyethylenterephtalatSealingF67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyTermination TypeFre-w ired 2 m [78.74]	Sensing Range	· · · · · · · · · · · · · · · · · · ·
TargetTourm [3.94]Supply Voltage12 Vdc to 30 VdcBeam Angle8°Oscillating Frequency300 KHzIntegrated Temperature CompensationYesRepeatability0.2 %/1 mmOutput TypeSw itching 2 x NPNSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature0.01Indicators3 LEDMemoryEEFROM (non-volatile)Current Consumption< 80 mA	Range Type	Short range < 1,0 m [39.0 in]
Beam Angle8°Descillating Frequency300 KHzOscillating FrequencyYesCompensationVesRepeatability0.2 %/1 mmOutput TypeSwitching 2 x NPNSwitching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Min. Sensing Distance of Test Target	100 mm [3.94]
ConclusionConclusionOscillating Frequency300 KHzIntegrated Temperature CompensationYesRepeatability0.2 %/1 mmOutput TypeSw itching 2 x NPNSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Supply Voltage	12 Vdc to 30 Vdc
Interstore of the product of the pr	Beam Angle	8°
CompensationYesRepeatability0.2 %/1 mmOutput TypeSwitching 2 x NPNSwitching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Oscillating Frequency	300 KHz
Durburt TypeSw itching 2 x NPNOutput Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Operating Temperature-25 °C to 70 °C [-13 °F to 158 °F]Storage Temperature500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption<80 mA	Integrated Temperature Compensation	Yes
Switching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption<80 mA	Repeatability	0.2 %/1 mm
Max. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption<80 mA	Output Type	Sw itching 2 x NPN
Adjustment MethodTeach-inAnalog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption<80 mA	Switching Output Type	2 Outputs - Configure for Normally Open/Normally Closed
Analog Output Slope SelectionTeach-inOperating 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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Max. Sw itching Frequency	4.7 Hz
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 Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Adjustment Method	Teach-in
Storage Temperature-25 °C to 70 °C [-13 °F to 158 °F]Maximum Output Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption<80 mA	Analog Output Slope Selection	Teach-in
Maximum Output Current500 mAHysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Operating Temperature	-15 °C to 70 °C [5 °F to 158 °F]
Hysteresis0.01Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Storage Temperature	-25 °C to 70 °C [-13 °F to 158 °F]
Indicators3 LEDMemoryEEPROM (non-volatile)Current Consumption< 80 mA	Maximum Output Current	500 mA
MemoryEEPROM (non-volatile)Current Consumption< 80 mA	Hysteresis	0.01
Current Consumption< 80 mACircuit ProtectionReverse Polarity, voltage spikes on supply and output lines, short circuit on switching outputHousing StyleM18 plasticHousing MaterialPolyethylenterephtalatSealingIP67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyTermination TypePre-w ired 2 m [78.74]	Indicators	3 LED
Circuit ProtectionReverse Polarity, voltage spikes on supply and output lines, short circuit on switching outputHousing StyleM18 plasticHousing MaterialPolyethylenterephtalatSealingIP67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyTermination TypePre-wired 2 m [78.74]	Memory	EEPROM (non-volatile)
sw itching outputHousing StyleM18 plasticHousing MaterialPolyethylenterephtalatSealingIP67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyTermination TypePre-w ired 2 m [78.74]	Current Consumption	< 80 mA
Housing MaterialPolyethylenterephtalatSealingIP67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyTermination TypePre-w ired 2 m [78.74]	Circuit Protection	
Sealing IP67 Mounting 2 x M18 plastic nuts 24 mm Sensing Face Material Epoxy Termination Type Pre-w ired 2 m [78.74]	Housing Style	M18 plastic
Mounting 2 x M18 plastic nuts 24 mm Sensing Face Material Epoxy Termination Type Pre-w ired 2 m [78.74]	Housing Material	Polyethylenterephtalat
Sensing Face Material Epoxy Termination Type Pre-w ired 2 m [78.74]	Sealing	IP67
Termination Type Pre-w ired 2 m [78.74]	Mounting	2 x M18 plastic nuts 24 mm
	Sensing Face Material	Ероху
Availability Global	Termination Type	Pre-w ired 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	

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