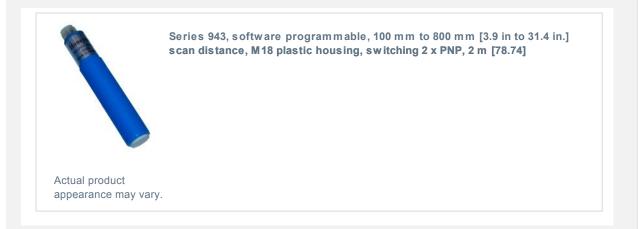


## 943-F4Y-2D-001-300E

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



Range TypeShort range < 1,0 m [3.9.0 in]		Product Specifications
Min. Sensing Distance of Test Farget100 mm [3.94]Supply Voltage12 Vdc to 30 VdcBeam Angle8°Dacillating Frequency300 KHzIntegrated Temperature CompensationYesRepeatability0.2 %/1 mmDutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inDoperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature500 mAAdystresis0.01Indicators3 LEDWernoryEEPROM (non-volatile)Current Consumption< 80 mACircuit ProtectionReverse Polarity, voltage spikes on supply and output lines, short circuit on sw itching outputCircuit ProtectionPolyethylenterephtalatCircuit ProtectionPolyethylenterephtalatSealingIP67Vounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyFermination TypePre-w ired 2 m [78.74]	Sensing Range	100 mm to 800 mm [3.9 in to 31.4 in.]
Farget100 mm [3.34]Supply Voltage12 Vdc to 30 VdcBeam Angle8°Docillating Frequency300 KHzDascillating Frequency200 KHzCompensation2°sRepeatability0.2 %/1 mmDutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inDoperating Temperature-15 °C to 70 °C [5° Ft to 158 °F]Storage Temperature-25 °C to 70 °C [-13 °F to 158 °F]Storage Temperature0.01Indicators0.01Adiximum Output Current500 mACurrent Consumption< 80 mA	Range Type	Short range < 1,0 m [39.0 in]
Beam Angle8°Decillating Frequency300 KHzDecillating Frequency300 KHzCompensationYesRepeatability0.2 %/1 mmDutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inConger 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 LEDCurrent Consumption< 80 mA	Min. Sensing Distance of Test Target	100 mm [3.94]
Decidinating Frequency300 KHzDecidinating Frequency300 KHzantegrated TemperatureYesCompensation0.2 %/1 mmDutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inDeparating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature-25 °C to 70 °C [-13 °F to 158 °F]Otput Current500 mAHysteresis0.01Indicators3 LEDVermoryEEPROM (non-volatile)Current Consumption< 80 mA	Supply Voltage	12 Vdc to 30 Vdc
ContentHeigrated Temperature CompensationYesRepeatability0.2 %/1 mmDutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inCorperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Storage Temperature-25 °C to 70 °C [-13 °F to 158 °F]Operating Temperature500 mAAdviumum Output Current500 mAAdvitorent0.01Indicators3 LEDVernent Consumption< 80 mA	Beam Angle	8°
CompensationYesRepeatability0.2 %/1 mmOutput TypeSw itching 2 x PNPSw itching Output Type2 Outputs - Configure for Normally Open/Normally ClosedMax. Sw itching Frequency4.7 HzAdjustment MethodTeach-inOperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Operating Temperature-25 °C to 70 °C [-13 °F to 158 °F]Operating Temperature500 mAHysteresis0.01Indicators3 LEDCurrent Consumption<80 mA	Oscillating Frequency	300 KHz
Dutput TypeSw itching 2 x PNPSw 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]Vaximum Output Current500 mAHysteresis0.01Indicators3 LEDWemoryEEPROM (non-volatile)Current Consumption<80 mA	Integrated Temperature Compensation	Yes
Switching Output Type2 Outputs - Configure for Normally Open/Normally ClosedWax. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inDeperating 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 mAAysteresis0.01Indicators3 LEDVermoryEEPROM (non-volatile)Current Consumption<80 mA	Repeatability	0.2 %/1 mm
Max. Switching Frequency4.7 HzAdjustment MethodTeach-inAnalog Output Slope SelectionTeach-inDeperating Temperature-15 °C to 70 °C [5 °F to 158 °F]Operating 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	Switching 2 x PNP
Adjustment MethodTeach-inAnalog Output Slope SelectionTeach-inDeperating 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-inDeprating 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
Deperating 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]
Indicators   3 LED     Memory   EEPROM (non-volatile)     Current Consumption   < 80 mA	Maximum Output Current	500 mA
Memory   EEPROM (non-volatile)     Current Consumption   < 80 mA	Hysteresis	0.01
Current Consumption   < 80 mA	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 MaterialEpoxyFermination TypePre-wired 2 m [78.74]	Memory	EEPROM (non-volatile)
Housing Style   M18 plastic     Housing Material   Polyethylenterephtalat     Sealing   IP67     Mounting   2 x M18 plastic nuts 24 mm     Sensing Face Material   Epoxy     Fermination Type   Pre-w ired 2 m [78.74]	Current Consumption	< 80 mA
Housing Material Polyethylenterephtalat   Sealing IP67   Mounting 2 x M18 plastic nuts 24 mm   Sensing Face Material Epoxy   Fermination Type Pre-w ired 2 m [78.74]	Circuit Protection	
SealingIP67Mounting2 x M18 plastic nuts 24 mmSensing Face MaterialEpoxyFermination TypePre-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
Fermination 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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