

944-T4V-2D-1C1-300E

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Series 944 Auto-tuning, 350 mm [14.0 in] scan distance, Plastic M30, Connector M12, analog (0 Vdc to 10 Vdc) and two switching outputs PNP

Actual product appearance may vary.

Product Specifications

Sensing Range	60 mm to 350 mm [2.0 in to 14.0 in]
Range Type	Short range < 1,0 m [39.0 in]
Supply Voltage	19 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	300 KHz
Integrated Temperature Compensation	Yes
Repeatability	0.4 % ± 2,0 mm [0.079 in]
Output Type	Sw itching 2 x PNP Analog 0 Vdc to 10 Vdc
Sw itching Output Type	1 Normally Open/1 Normally Closed
Response Time	30 ms (target moving < 1 m/s)
Response Time (Target Present/Absent)	200 ms
Max. Sw itching Frequency	25 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 75 °C [-13 °F to 167 °F]
Linearity	0.5 % ± 3,0 mm [0.118 in]
Load Resistance	> 1 Kohm
Maximum Output Current	100 mA
Hysteresis	1 % ± 2,0 mm [0.079 in]
Indicators	3 LED
Memory	EEPROM (non-volatile)
Current Consumption	25 mA maximum
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on sw itching output
Housing Style	M30 plastic
Housing Material	Polyethylenterephtalat
Sealing	IP67
Mounting	2 x M30 plastic nuts 36 mm

Product Specifications

Sensing Face Material	Epoxy
Termination Type	Connector
Connector Type	M12, 5 pin (female connector included)
Availability	Global
Normally Open/Normally Closed selection	Teach-in
UNSPSC Code	41111960
UNSPSC Commodity	41111960 Ultrasonic sensor
Series Name	944