

943-F4Y-2D-002-300E

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Series 943, software programmable, 100 mm to 800 mm [3.9 in to 31.4 in.] scan distance, M18 plastic housing, switching 2 x NPN, 2 m [78.74]

Actual product appearance may vary.

Product Specifications

| | |
|--------------------------------------|---|
| Sensing Range | 100 mm to 800 mm [3.9 in to 31.4 in.] |
| Range Type | Short range < 1,0 m [39.0 in] |
| Min. Sensing Distance of Test Target | 100 mm [3.94] |
| Supply Voltage | 12 Vdc to 30 Vdc |
| Beam Angle | 8° |
| Oscillating Frequency | 300 KHz |
| Integrated Temperature Compensation | Yes |
| Repeatability | 0.2 %/1 mm |
| Output Type | Sw itching 2 x NPN |
| Sw itching Output Type | 2 Outputs - Configure for Normally Open/Normally Closed |
| Max. Sw itching Frequency | 4.7 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 sw itching 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-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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