



## Q12AB6FF30Q5

### ► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field

Range: 30 mm Cutoff; Input: 10-30V dc

Output: LO (Light Operate) Bipolar: 1 NPN; 1 PNP

Euro (M12) 150 mm (6 in) Pigtail QD

Part Number: 74134

#### CERTIFICATIONS



#### SPECIFICATIONS

|                                    |                                |
|------------------------------------|--------------------------------|
| <b>Sensing Mode (General)</b>      | Proximity                      |
| <b>Sensing Mode (Detailed)</b>     | Background Suppression (Fixed) |
| <b>Housing Style</b>               | Rectangular                    |
| <b>Primary Housing Material</b>    | Thermoplastic                  |
| <b>Input/Output</b>                | Discrete                       |
| <b>Max Sensing Range (mm)</b>      | 30                             |
| <b>Outputs</b>                     | Bipolar (NPN & PNP)            |
| <b>Power Supply/Supply Voltage</b> | 10-30 V dc                     |
| <b>Connection</b>                  | Pigtail QD                     |
| <b>Quick Disconnect Type</b>       | M12 (Euro)                     |
| <b>Sensing Beam</b>                | Visible Red LED                |
| <b>Operation</b>                   | Light Operate                  |

|  |               |
|--|---------------|
| <b>Max Op. Temp. (°C)</b>                  | 55            |
| <b>Min Op. Temp. (°C)</b>                  | -20           |
| <b>Output response time (ms)</b>           | 0.7           |
| <b>Special Feature: Intrinsically Safe</b> | No            |
| <b>Special Feature: Remote Teach</b>       | No            |
| <b>Special Feature: Water Detection</b>    | No            |
| <b>IP Rating</b>                           | IP67          |
| <b>Sensing Beam Wavelength</b>             | 640           |
| <b>Delay at Power-up (ms)</b>              | 120           |
| <b>Repeatability (µs)</b>                  | 175           |
| <b>Number of Pins</b>                      | 4             |
| <b>Max Op. Relative Humidity [%]</b>       | 95% @ 50°C    |
| <b>Lens Material</b>                       | Polycarbonate |
| <b>Adjustments</b>                         | N/A           |
| <b>Barrel Diameter (mm)</b>                | N/A           |
| <b>Indicator</b>                           | LEDs          |
| <b>Opposed Mode Emitter/Receiver</b>       | N/A           |
| <b>Feature: Timing (Hold/Delay)</b>        | No            |
| <b>Feature: Encapsulated</b>               | No            |
| <b>Feature: Hazardous Area</b>             | No            |
| <b>Feature: Audible</b>                    | No            |




## RECOMMENDED PRODUCTS

### SINGLE ENDED CORDSETS

|   |   |
|---|---|
|  | <p><b>MQDC-406</b></p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated Brass Coupling Nut</p> |
|---|---|

|   |   |
|---|---|
|     | <p><b>MQDC-406RA</b></p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut</p>                |
|    | <p><b>MQDC-415</b></p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated Brass Coupling Nut.</p>                     |
|    | <p><b>MQDC-415RA</b></p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut</p>                 |
|    | <p><b>MQDC-430</b></p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated Brass Coupling Nut</p>                      |
|    | <p><b>MQDC-430RA</b></p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut</p>                 |
|   | <p><b>MQDC-450</b></p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Straight Connector; 15 m (50 ft) in Length; Nickel-plated Brass Coupling Nut</p>                     |
|  | <p><b>MQDC-450RA</b></p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut</p>                |
|  | <p><b>PKG4M-2</b></p> <p>Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 2 m (6.5 ft) in Length; Threaded coupling</p>                      |
|  | <p><b>PKG4M-5</b></p> <p>Threaded Pico-Style Quick Disconnect Cable With; Straight 4-Pin 150 mm (6 Inch) Pigtail Connector; 5m (16 ft) in Length; Threaded Coupling</p> |
|  | <p><b>PKG4M-9</b></p> <p>Threaded Pico-Style Quick Disconnect Cable With ; Straight 4-Pin Connector; 9 m (30 ft) in Length; Threaded coupling</p>                       |
|  | <p><b>PKW5M-2</b></p> <p>Pico-Style Quick Disconnect Cable; 5-Pin Right Angle Connector; 2 m (6.5 ft) in Length; Chrome plated coupling nut</p>                         |
|  | <p><b>PKW5M-9</b></p> <p>Pico-Style Quick Disconnect Cable; 5-Pin Right Angle Female Connector; 9 m (30 ft) in Length; M8 Thread coupling</p>                           |

**ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES**

|   |   |
|---|---|
|  | <p><b>SMBQ12A</b></p> <p>Bracket: Right-Angle; Stainless Steel; Used with Q12</p>                             |
|  | <p><b>SMBQ12T</b></p> <p>Bracket: Right-Angle Mount; Stainless Steel: 300 Series; 20 Gauge; Used with Q12</p> |
|  | <p><b>SMBQ12S</b></p> <p>Bracket: Side Mount; Stainless Steel; Used with Q12</p>                              |

**APERTURES**

|   |  |
|---|--|
|    | <p><b>APKQ12</b></p> <p>APKQ12 Q12 APERTURE KIT; KIT CONTAINS 2 OF EACH APQ12 APERTURE: -0.5 -1 ; -1.5 -2 -0.5H -1H -0.5V -1V -4S; 18 UNITS TOTAL - QTY 18</p> |
|    | <p><b>APQ12-.5</b></p> <p>APQ12-.5 Q12 APERTURE BULK KIT .5MM ROUND - QTY 10</p>   |
|  | <p><b>APQ12-.5H</b></p> <p>APQ12-.5H Q12 APERTURE BULK KIT .5MM HOR SLOT - QTY 10</p>  |
|  | <p><b>APQ12-.5V</b></p> <p>APQ12-.5V Q12 APERTURE BULK KIT .5MM VER SLOT - QTY 10</p>  |
|  | <p><b>APQ12-1</b></p> <p>APQ12-1 Q12 APERTURE BULK KIT 1MM ROUND - QTY 10</p>  |
|  | <p><b>APQ12-1.5</b></p> <p>APQ12-1.5 Q12 APERTURE BULK KIT 1.5MM ROUND - QTY 10</p>  |
|  | <p><b>APQ12-1H</b></p> <p>APQ12-1H Q12 APERTURE BULK KIT 1MM HOR SLOT - QTY 10</p>   |
|  | <p><b>APQ12-1V</b></p> <p>APQ12-1V Q12 APERTURE BULK KIT 1MM VER SLOT - QTY 10</p>   |
|  | <p><b>APQ12-2</b></p> <p>APQ12-2 Q12 APERTURE BULK KIT 2MM ROUND - QTY 10</p>  |
|  | <p><b>APQ12-4S</b></p> <p>APQ12-4S Q12 APERTURE BULK KIT 4MM SQUARE - QTY 10</p>   |



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