



Q12RN6FF50Q3

► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field

Range: 50 mm; Input 10-30V dc

Output: DO (Dark Operate) 1 NPN

Pico (M8) 3-pin Integral Pigtail QD

Part Number: 77105

CERTIFICATIONS




SPECIFICATIONS

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| Sensing Mode (General) | Proximity |
| Sensing Mode (Detailed) | Background Suppression (Fixed) |
| Housing Style | Rectangular |
| Primary Housing Material | Thermoplastic |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 50 |
| Outputs | NPN |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | Pigtail QD |
| Quick Disconnect Type | M8 (Pico) |
| Sensing Beam | Visible Red LED |
| Operation | Dark Operate |




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| Max Op. Temp. (°C) | 55 |
| Min Op. Temp. (°C) | -20 |
| Output response time (ms) | 0.7 |
| Special Feature: Intrinsically Safe | No |
| Special Feature: Remote Teach | No |
| Special Feature: Water Detection | No |
| IP Rating | IP67 |
| Sensing Beam Wavelength | 640 |
| Delay at Power-up (ms) | 120 |
| Repeatability (µs) | 175 |
| Number of Pins | 3 |
| Max Op. Relative Humidity [%] | 95% @ 50°C |
| Lens Material | Polycarbonate |
| Adjustments | N/A |
| Barrel Diameter (mm) | N/A |
| Indicator | LEDs |
| Opposed Mode Emitter/Receiver | N/A |
| Feature: Timing (Hold/Delay) | No |
| Feature: Encapsulated | No |
| Feature: Hazardous Area | No |
| Feature: Audible | No |

RECOMMENDED PRODUCTS




SINGLE ENDED CORDSETS

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|  | MQDEC2-506 |
| Euro-Style Quick Disconnect Cable with Shield; 5-Pin Straight Connector; 2 m (6.5 ft) in Length; Chrome-plated brass coupling nut | |







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|  | <p>MQDEC2-506RA</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-515</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Straight Connector; 5 m (15 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-515RA</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Right-Angle Connector; 5 m (15 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-530</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Straight Connector; 9 m (30 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-530RA</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Right-Angle Connector; 9 m (30 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-550</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Straight Connector; 15 m (50 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDEC2-550RA</p> <p>Euro-Style Quick Disconnect Cable with Shield; 5-Pin Right-Angle Connector; 15 m (50 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>PKG3M-10</p> <p>Pico cable for IP68 Pro Ring Lights; Power and strobe control cable; Female 3-pin pico to flying leads; Cable length: 10 m (32 ft)</p> |
|  | <p>PKG3M-2</p> <p>Threaded Pico-Style Quick Disconnect Cable With; Female 3-Pin Pico to Flying leads; 2 m (6.5 ft) in Length; Threaded Coupling</p> |
|  | <p>PKG3M-5</p> <p>Female 3-pin pico to flying leads; Cable length: 5 m (16 ft)</p> |
|  | <p>PKG3M-7</p> <p>Pico cable for IP68 Pro Ring Lights; Power and strobe control cable; Female 3-pin pico to flying leads; Cable length: 7 m (23 ft)</p> |
|  | <p>PKG3M-9</p> <p>Threaded Pico-Style Quick Disconnect Cable With; Female 3-Pin Pico to Flying leads; 9 m (30 ft) in Length; Threaded Coupling</p> |





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|  | <p>PKW3M-2</p> <p>Threaded Pico-Style Quick Disconnect Cable With; Right-Angle 3-Pin 150 mm (6 INCH) Pigtail Connector; 2 m (6.5FT) in Length; Threaded coupling</p> |
|  | <p>PKW3M-5</p> <p>Threaded Pico-Style Quick Disconnect Cable With; Right-Angle 3-Pin 150 mm (6 INCH) Pigtail Connector; 1.5 m (5 ft) in Length; Threaded coupling</p> |
|  | <p>PKW3M-9</p> <p>Threaded Pico-Style Quick Disconnect Cable With; Right-Angle 3-Pin 150 mm (6 INCH) Pigtail Connector; 9 m (30FT) in Length; Threaded Coupling</p> |

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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

APERTURES

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|  | <p>APKQ12</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>APQ12-.5</p> <p>APQ12-.5 Q12 APERTURE BULK KIT .5MM ROUND - QTY 10</p> |
|  | <p>APQ12-.5H</p> <p>APQ12-.5H Q12 APERTURE BULK KIT .5MM HOR SLOT - QTY 10</p> |
|  | <p>APQ12-.5V</p> <p>APQ12-.5V Q12 APERTURE BULK KIT .5MM VER SLOT - QTY 10</p> |
|  | <p>APQ12-1</p> <p>APQ12-1 Q12 APERTURE BULK KIT 1MM ROUND - QTY 10</p> |
|  | <p>APQ12-1.5</p> <p>APQ12-1.5 Q12 APERTURE BULK KIT 1.5MM ROUND - QTY 10</p> |

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|  | APQ12-1H APQ12-1H Q12 APERTURE BULK KIT 1MM HOR SLOT - QTY 10 |
|  | APQ12-1V APQ12-1V Q12 APERTURE BULK KIT 1MM VER SLOT - QTY 10 |
|  | APQ12-2 APQ12-2 Q12 APERTURE BULK KIT 2MM ROUND - QTY 10 |
|  | APQ12-4S APQ12-4S Q12 APERTURE BULK KIT 4MM SQUARE - QTY 10 |



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America