



## Q12RP6FF50Q3

### ► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field

Range: 50 mm; Input: 10-30 V dc

Output: DO; 1 PNP

Pico 3-pin 6 in Pigtail QD

Part Number: 77106

#### 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>	50
<b>Outputs</b>	PNP
<b>Power Supply/Supply Voltage</b>	10-30 V dc
<b>Connection</b>	Pigtail QD
<b>Quick Disconnect Type</b>	M8 (Pico)
<b>Sensing Beam</b>	Visible Red LED
<b>Operation</b>	Dark 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>	3
<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

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







	<p><b>MQDEC2-506RA</b></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><b>MQDEC2-515</b></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><b>MQDEC2-515RA</b></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><b>MQDEC2-530</b></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><b>MQDEC2-530RA</b></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><b>MQDEC2-550</b></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><b>MQDEC2-550RA</b></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><b>PKG3M-10</b></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><b>PKG3M-2</b></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><b>PKG3M-5</b></p> <p>Female 3-pin pico to flying leads; Cable length: 5 m (16 ft)</p>
	<p><b>PKG3M-7</b></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><b>PKG3M-9</b></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>





	<p><b>PKW3M-2</b></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><b>PKW3M-5</b></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><b>PKW3M-9</b></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

	<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>

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



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