



Q12RB6FF50Q5

► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field
Range: 50 mm; Input 10-30V dc
Output: DO (Dark Operate) Bipolar: 1 NPN; 1 PNP
Euro (M12) 150 mm (6 in) Pigtail QD
Part Number: 74144

CERTIFICATIONS



SPECIFICATIONS

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	Bipolar (NPN & PNP)
Power Supply/Supply Voltage	10-30 V dc
Connection	Pigtail QD
Quick Disconnect Type	M12 (Euro)
Sensing Beam	Visible Red LED
Operation	Dark Operate

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	4
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

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

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

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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

APERTURES

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



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