



## QS18EN6DQ8

### ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Expert Series: Diffuse

Range: 800 mm; Input: 10-30V dc

Output: Complementary Solid State NPN

Integral Euro-style Quick-Disconnect Connector

Part Number: 71994

#### CERTIFICATIONS



#### SPECIFICATIONS

<b>Sensing Mode (General)</b>	Proximity
<b>Sensing Mode (Detailed)</b>	Diffuse
<b>Housing Style</b>	Rectangular w/M18 Mount
<b>Primary Housing Material</b>	Thermoplastic
<b>Input/Output</b>	Discrete
<b>Max Sensing Range (mm)</b>	800
<b>Outputs</b>	NPN
<b>Power Supply/Supply Voltage</b>	10-30 V dc
<b>Connection</b>	Integral QD
<b>Quick Disconnect Type</b>	M12 (Euro)
<b>Sensing Beam</b>	Infrared LED

<b>Operation</b>	Light/Dark Operate
<b>Max Op. Temp. (°C)</b>	70
<b>Min Op. Temp. (°C)</b>	-20
<b>Output response time (ms)</b>	0.6
<b>Special Feature: Intrinsically Safe</b>	No
<b>Special Feature: Remote Teach</b>	Yes
<b>Special Feature: Water Detection</b>	No
<b>IP Rating</b>	IP67
<b>Delay at Power-up (ms)</b>	100
<b>Repeatability (µs)</b>	75
<b>Number of Pins</b>	4
<b>NEMA Rating</b>	NEMA 6
<b>Max Op. Relative Humidity [%]</b>	95% @ 50°C
<b>Lens Material</b>	PMMA
<b>Adjustments</b>	Teach Button
<b>Barrel Diameter (mm)</b>	18
<b>Indicator</b>	LEDs
<b>Opposed Mode Emitter/Receiver</b>	N/A
<b>Feature: Timing (Hold/Delay)</b>	Yes
<b>Feature: Encapsulated</b>	No
<b>Feature: Hazardous Area</b>	No
<b>Feature: Audible</b>	No
<b>Feature: Chemical Resistant</b>	No
<b>IO Link</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>

## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	<p><b>SMB312S</b></p> <p>Bracket: Side Mounting; Material: Stainless Steel 2-axis</p>
	<p><b>SMBQS18Y</b></p> <p>SMBQS18Y MOUNTING BRACKET ASSY</p>
	<p><b>SMBQS18A</b></p> <p>SMBQS18A MOUNTING BRACKET ASSY</p>
	<p><b>SMB30SUS</b></p> <p>Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation</p>

	<p><b>SMB46L</b></p> <p>Bracket: L; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMB46U</b></p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMBQS18RA</b></p> <p>SMBQS18RA MOUNTING BRACKET</p>
	<p><b>SMB4050YL</b></p> <p>SMB4050YL MOUNTING BRACKET ASSY W/REPLACEABLE LENS COVER</p>
	<p><b>SMB46S</b></p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMBQS18DIN</b></p> <p>SMBQS18DIN MOUNTING BRACKET ASSY</p>



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