



## QS18EN6XLPCQ

### ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



QS18 Expert Series Clear Object Sensor

Range: 3000 mm; Input: 10-30 V dc

Output: NPN

Pico 150 mm (6 in) Pigtail QD Pigtail

Part Number: 97639

#### CERTIFICATIONS



#### SPECIFICATIONS

<b>Sensing Mode (General)</b>	Retroreflective
<b>Sensing Mode (Detailed)</b>	Polarized (Coaxial)
<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>	3000
<b>Outputs</b>	NPN
<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>	Light/Dark Operate
<b>Max Op. Temp. (°C)</b>	70
<b>Min Op. Temp. (°C)</b>	-40
<b>Output response time (ms)</b>	0.4
<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>Sensing Beam Wavelength</b>	625
<b>Delay at Power-up (ms)</b>	100
<b>Repeatability (µs)</b>	100
<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: Clear Object Detection</b>	Yes
<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>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>PKW4M-2</b></p>
	<p>Threaded Pico-Style Quick Disconnect Cable With ; Right-Angle 4-Pin Connector; 2 m (6.5 ft) in Length; Threaded coupling</p>
	<p><b>PKW4M-5</b></p>
	<p>Threaded Pico-Style Quick Disconnect Cable With ; Right-Angle 4-Pin Connector; 5m (16.4 ft) in Length; Threaded coupling</p>
	<p><b>PKW4M-9</b></p>
	<p>Threaded Pico-Style Quick Disconnect Cable With ; Right-Angle 4-Pin Connector; 9 m (30 ft) in Length; Threaded coupling</p>

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

	<p><b>SMB18A</b></p>
	<p>Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware</p>
	<p><b>SMBQS18Y</b></p>
	<p>SMBQS18Y MOUNTING BRACKET ASSY</p>
	<p><b>SMBQ4XFA</b></p>
	<p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p>
	<p><b>SMBQ4XFAM10</b></p>
	<p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes M10-1.5 X 50 mm; Socket Head Cap Screw (SHCS)</p>
	<p><b>SMBQ4XFAM12</b></p>
	<p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; No Socket Head Cap Screw (SHCS) included</p>

	<p><b>SMB18AFA</b></p> <p>Bracket: Covered Mounting Bracket</p>
	<p><b>SMB18AFAM10</b></p> <p>Bracket: Covered Mounting Bracket with 10 mm Screw</p>
	<p><b>SMB312S</b></p> <p>Bracket: Side Mounting; Material: Stainless Steel 2-axis</p>

## RETROREFLECTIVE TARGET

	<p><b>BRT-60X40C</b></p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 1.4; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting</p>
	<p><b>BRT-60X40IP69K</b></p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 0.7; IP69K RATED ; Plastic - two screw holes for mounting</p>
	<p><b>BRT-60X40C-PS</b></p> <p>Retroreflective Target: Rectangular -60x40mm; Reflectivity Factor: 1.1; Max. Temp.= 50 degrees C; Polystyrene Plastic; yellow - two screw holes for mounting</p>
	<p><b>BRT-40X19A</b></p> <p>BRT-40X19A</p>
	<p><b>BRT-40X19A-PS</b></p> <p>Retroreflective Target: Rectangular -40x19mm; Reflectivity Factor: 1.0; Max. Temp.= 50 degrees C; Polystyrene Plastic; yellow - two screw holes for mounting</p>
	<p><b>BRT-92X92C</b></p> <p>Retroreflective Target: Rectangular -92x92mm; Reflectivity Factor: 3.0; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting</p>



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