



## QS30LLPC

### ► QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR



WORLD-BEAM QS30: Low Contrast Laser Polar Retro

Range: 0.2-18 m; Input: 10-30V dc

Output: Bipolar: 1 NPN; 1PNP

2 m (6.5 ft) Cable

Part Number: 71377

#### CERTIFICATIONS



#### SPECIFICATIONS

<b>Sensing Mode (General)</b>	Retroreflective
<b>Sensing Mode (Detailed)</b>	Polarized
<b>Housing Style</b>	Rectangular w/M30 Mount
<b>Primary Housing Material</b>	Thermoplastic
<b>Laser Classification</b>	Class 1
<b>Input/Output</b>	Discrete
<b>Max Sensing Range (mm)</b>	18000
<b>Outputs</b>	Bipolar (NPN & PNP)
<b>Power Supply/Supply Voltage</b>	10-30 V dc
<b>Connection</b>	2 m Cable
<b>Quick Disconnect Type</b>	No QD



<b>Sensing Beam</b>	Laser
<b>Operation</b>	Light/Dark Operate
<b>Max Op. Temp. (°C)</b>	50
<b>Min Op. Temp. (°C)</b>	-10
<b>Output response time (ms)</b>	0.5
<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>	650
<b>Delay at Power-up (ms)</b>	1000
<b>Repeatability (µs)</b>	70
<b>Number of Pins</b>	5
<b>NEMA Rating</b>	NEMA 6
<b>Max Op. Relative Humidity [%]</b>	95% @ 50°C
<b>Lens Material</b>	Acrylic
<b>Adjustments</b>	Teach Button
<b>Barrel Diameter (mm)</b>	30
<b>Indicator</b>	Bargraph
<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


## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	<p><b>SMB30MM</b></p> <p>Bracket: 30mm; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware</p>
	<p><b>SMB30SC</b></p> <p>Bracket: Compact 30 mm Swivel; Black reinforced thermoplastic polyester; Wide Range of Articulation ; Hardware included</p>
	<p><b>SMB30A</b></p> <p>Bracket: Right Angle Mounting; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware</p>
	<p><b>SMB30S</b></p> <p>Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware included</p>
	<p><b>SMBAMS30RA</b></p> <p>Bracket: 30mm Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation</p>
	<p><b>SMB30FA</b></p> <p>SMB30FA MOUNTING BRACKET</p>
	<p><b>SMB30RAVK</b></p> <p>Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle</p>
	<p><b>SMBQS30Y</b></p> <p>Bracket: Heavy-duty die-cast bracket M18 vertical mount option; +/- 8 deg tilt adjustment with cabled units; Includes nuts and lock washerr; Used with QS30 (DC only)</p>
	<p><b>SMB30FVK</b></p> <p>SMB30FVK 30MM BRACKET ASSY</p>
	<p><b>SMBAMS30P</b></p> <p>Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation</p>
	<p><b>SMBQS30L</b></p> <p>Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment</p>
	<p><b>SMB46L</b></p> <p>Bracket: L; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMB30SM</b></p> <p>Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included</p>

	<p><b>SMB30C</b></p> <p>Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware included</p>
	<p><b>SMBQS30YL</b></p> <p>Bracket: Heavy-duty die-cast bracket designed for ; industrial protection; Replaceable window; M18 vertical mount option; Includes nuts and lock washer; Used with QS30 (DC only)</p>
	<p><b>SMB30Q</b></p> <p>Bracket: 30 mm Angle Flanged Mounting; For use with Q40 Sensors</p>
	<p><b>SMB46U</b></p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMB46S</b></p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMB30FAM10</b></p> <p>SMB30FAM10 MOUNTING BRACKET, M10 X 50MM SHCS, M5 X 18MM SHCS</p>
	<p><b>SMBAMS30PL52</b></p> <p>SMBAMS30PL52 AUTOMOTIVE BRKT STRAIGHT LEGEND PLATE</p>
	<p><b>SMBAMS30RLJ</b></p> <p>Bracket: Right-angle SMBAMS series with 70 x 40 mm space for label; 30 mm hole for mounting sensor; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel</p>
	<p><b>SMBAMS30RLS</b></p> <p>Bracket: Right Angle; 30 mm hole; Small Legend, Automotive Industry;</p>
	<p><b>SMBAMS30PL52R</b></p> <p>Bracket: Flat SMBAMS series with space; for 60 x 58 mm label; 30 mm hole for mounting sensors; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel</p>
	<p><b>SMB30MM-62101</b></p> <p>SMB30MM-62101 MNTG BRKT QTY 2 30 MILLIMETER</p>
	<p><b>SMB30RAL52R</b></p> <p>Bracket: 30 mm Hole; 8.3 mm X 127 mm Slot; Zinc Plated Cold Rolled Steel</p>
	<p><b>SMBAMS30RAE</b></p> <p>Bracket: 30 mm Right Angle extended version; Material: 12 Gauge Cold Rolled Steel; Curved Mounting Slot for versatility/orientation</p>

	<b>SMB30FVKQ</b>
	Bracket: 30 mm Bracket Assembly
	<b>SMB30AZ</b>
	SMB30AZ 30MM BRACKET ASSY CHINA ONLY

## ACCESSORIES

	<b>SMB30RAVKQ</b>
	Bracket: 30 mm Bracket Assembly



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