



QS30LD

► QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR



WORLD-BEAM QS30 Series: Laser Diffuse (Class 1)

Range: 400mm; Input: 10-30V dc

Output: Bipolar: 1 NPN; 1 PNP

2m (6.5 ft) Cable

Part Number: 70230

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Diffuse
Housing Style	Rectangular w/M30 Mount
Primary Housing Material	Thermoplastic
Laser Classification	Class 1
Input/Output	Discrete
Max Sensing Range (mm)	400
Outputs	Bipolar (NPN & PNP)
Power Supply/Supply Voltage	10-30 V dc
Connection	2 m Cable
Quick Disconnect Type	No QD



Sensing Beam	Laser
Operation	Light/Dark Operate
Max Op. Temp. (°C)	50
Min Op. Temp. (°C)	-10
Output response time (ms)	0.5
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	Yes
Special Feature: Water Detection	No
IP Rating	IP67
Sensing Beam Wavelength	650
Delay at Power-up (ms)	1000
Repeatability (µs)	70
Number of Pins	5
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	Teach Button
Barrel Diameter (mm)	30
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Timing (Hold/Delay)	Yes
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No

RECOMMENDED PRODUCTS


ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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

	<p>SMB30C</p> <p>Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware included</p>
	<p>SMBQS30YL</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>SMB30Q</p> <p>Bracket: 30 mm Angle Flanged Mounting; For use with Q40 Sensors</p>
	<p>SMB46U</p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p>
	<p>SMB46S</p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p>
	<p>SMB30FAM10</p> <p>SMB30FAM10 MOUNTING BRACKET, M10 X 50MM SHCS, M5 X 18MM SHCS</p>
	<p>SMBAMS30PL52</p> <p>SMBAMS30PL52 AUTOMOTIVE BRKT STRAIGHT LEGEND PLATE</p>
	<p>SMBAMS30RLJ</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>SMBAMS30RLS</p> <p>Bracket: Right Angle; 30 mm hole; Small Legend, Automotive Industry;</p>
	<p>SMBAMS30PL52R</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>SMB30MM-62101</p> <p>SMB30MM-62101 MNTG BRKT QTY 2 30 MILLIMETER</p>
	<p>SMB30RAL52R</p> <p>Bracket: 30 mm Hole; 8.3 mm X 127 mm Slot; Zinc Plated Cold Rolled Steel</p>
	<p>SMBAMS30RAE</p> <p>Bracket: 30 mm Right Angle extended version; Material: 12 Gauge Cold Rolled Steel; Curved Mounting Slot for versatility/orientation</p>

	SMB30FVKQ
	Bracket: 30 mm Bracket Assembly
	SMB30AZ
	SMB30AZ 30MM BRACKET ASSY CHINA ONLY

ACCESSORIES

	SMB30RAVKQ
	Bracket: 30 mm Bracket Assembly



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