

# **QS30VR3FF600**

# QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR



WORLD-BEAM QS30 Series: Universal Voltage Range: 600 mm; Input: 12-250V dc or 24-250V ac Output: SPDT e/m Relay 2m (6.5 ft) Cable Part Number: 73076

### CERTIFICATIONS





### SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Background Suppression (Fixed)
Housing Style	Rectangular w/M30 Mount
Primary Housing Material	Thermoplastic
Input/Output	E/M Relay
Max Sensing Distance (mm)	600
Outputs	SPDT e/m Relay
Power Supply/Supply Voltage	12-250 V dc or 24-250 V ac
Connection	2 m Cable
Quick Disconnect Type	No QD
Sensing Beam	Visible Red LED

Operation	Light/Dark Operate
Max Op. Temp. (°C)	70
Min Op. Temp. (°C)	-20
Output response time (ms)	15
Special Feature: Intrinsically Safe	Νο
Special Feature: Remote Teach	Νο
Special Feature: Water Detection	Νο
IP Rating	IP 6 7
Delay at Power-up (ms)	100
Repeatability (µs)	N/A
Number of Pins	5
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	N/A
Barrel Diameter (mm)	30
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Timing (Hold/Delay)	Νο
Feature: Encapsulated	Νο
Feature: Hazardous Area	Νο
Feature: Audible	Νο
DeviceNet	Νο

## **RECOMMENDED PRODUCTS**

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

Bracket: Somm; Material: 12 Gauge Stainless Steel; Curved mounting stot for versatility/orientation : Clearance for M6 (1/4 in.) hardware   SMB305C   Bracket: Compact Somm SWVst; Black reinforced thermoplastic polyester; Wide Range of Articulation : Hardware included   SMB30A   Bracket: Right Angle Mounting; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation : Clearance for M6 (1/4 in.) hardware   SMB305   Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware included   SMB305   Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware included   SMB306A   SMB307A   SMB307A   Bracket: Somm Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   SMB307A   SMB307A<		SMB30MM
Image: Second State Bracket: Compact 30 mm Swivel: Black reinforced thermoplastic polyester; Wide Range of Articulation : Hardware included   Image: SMB30A Bracket: Right Angle Mounting: Material: 12 Gauge Stainless Steel: Curved mounting stot for versatility/orientation : Clearance for MS (1/4 in.) hardware   Image: SMB30S Bracket: Stainless Steel Mounting: Material: Black Polyester; 30 mm Swivel ; Hardware included   Image: SMB30SA Bracket: Stainless Steel Mounting: Material: 12 Gauge cold rolled steel; Curved mounting slet for versatility/orientation   Image: SMB30FA SMB30FA   SMB30FA		
Articulation ; Hardware Included   Image: SMB30A   Bracket: Right Angle Mounting: Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware   Image: SMB30S   Bracket: Stainless Steel Mounting: Material: Black Polyester; 30 mm Swivel ; Hardware Included   Image: SMB30FA   SMB30FVK   SMB30FVK   SMB30FVK   SMB30FVK   SMB30FVK   SMB40E   Bracket: Stalnless Steel Right-Angle: 12 Gauge Cold Ro		SMB30SC
Image: Simple state in the		
If or versatility/orientation ; Clearance for M6 (1/4 in.) hardware   SMB30S   Bracket: Stainless Steel Mounting: Material: Black Polyester; 30 mm Swivel ; Hardware included   SMBAMS30RA   Bracket: 30mm Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   SMB30FA   SMB30FVK   SMB40E   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Cur		SMB30A
Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware Included   SMBAMS3ORA   Bracket: 30mm Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   SMB30FA   SMB30FA   SMB30FA MOUNTING BRACKET   SMB30FA MOUNTING BRACKET   SMB30FVK   Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   SMB30FVK   SMB30FVK 30MM BRACKET ASSY   SMB30FVK 30MM BRACKET ASSY   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMB0S30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB30SM   Bracket: L: Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included   SMB30C Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		
Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware Included   Image: SMBAMS30RA   Bracket: 30mm Right Angle: Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   Image: SMB30FA   SMB30FVK   Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   Image: SMB30FVK   Bracket: Stainless Steel Right-Angle: 14-ga Stainless Steel; Clearance for M4 ( no 8)   Hardw		SMB30S
Image: Signam Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; Material: 30 mm hole to 28 mm tube; Right-angle   Image: Signam Right Angle; Material: 30 mm hole to 28 mm tube; Right-angle   Image: Signam Right Angle; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   Image: Signam Right Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   Image: Signam Right Angle; Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   Image: Signam Right Angle; Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   Image: Signam Right Righ		
versatility/orientation   SMB30FA   SMB30FA   SMB30FA MOUNTING BRACKET   SMB30FA MOUNTING BRACKET   SMB30FA   Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   SMB30FVK   SMB30FVK 30MM BRACKET ASSY   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware Included   SMB30C SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMBAMS30RA
SMB30FA MOUNTING BRACKET   SMB30RAVK   Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   SMB30FVK   SMB30FVK 30MM BRACKET ASSY   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMB0S30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		
SMB30RAVK   Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   SMB30FVK   SMB30FVK 30MM BRACKET ASSY   SMBAMS30P   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMB0S30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMB30FA
Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle   SMB30FVK   SMB30FVK 30MM BRACKET ASSY   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMB30FA MOUNTING BRACKET
SMB30FVK   SMB30FVK 30MM BRACKET ASSY   SMBAMS30P   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMB30RAVK
SMB30FVK 30MM BRACKET ASSY   SMBAMS30P   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp; Hardware		Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle
SMBAMS30P   Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBOS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 (no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp; Hardware		SMB30FVK
Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware	3×	SMB30FVK 30MM BRACKET ASSY
Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation   SMBQS30L   Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 ( no 8) Hardware; +/- 12 Degree Tilt Adjustment   SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp; Hardware		SMBAMS30P
Image: Second State Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 (no 8) Hardware; +/- 12 Degree Tilt Adjustment   Image: SMB46L Bracket: L; Material: 14 Gauge 316 Stainless Steel   Image: SMB30SM Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included   Image: SMB30C Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware	Ø	
Hardware; +/- 12 Degree Tilt Adjustment   Image: SMB46L   Bracket: L; Material: 14 Gauge 316 Stainless Steel   Image: SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included   Image: SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMBQS30L
Image: Second system Bracket: L; Material: 14 Gauge 316 Stainless Steel   Image: Second system SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened; Hardware included   Image: Second system SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp; Hardware		
SMB30SM   Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened;   Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp; Hardware		SMB46L
Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened;   Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		Bracket: L; Material: 14 Gauge 316 Stainless Steel
Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened;   Hardware included   SMB30C   Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		SMB30SM
Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware		-
		SMB30C

	SMB30Q
	Bracket: 30 mm Angle Flanged Mounting; For use with Q40 Sensors
	SMB46U
	Bracket: U; Material: 14 Gauge 316 Stainless Steel
	SMB46S
	Bracket: S; Material: 14 Gauge 316 Stainless Steel
DANNED	SMB30FAM10
	SMB30FAM10 MOUNTING BRACKET, M10 X 50MM SHCS, M5 X 18MM SHCS
	SMBAMS30PL52
9	SMBAMS30PL52 AUTOMOTIVE BRKT STRAIGHT LEGEND PLATE
	SMBAMS30RLJ
	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
	SMBAMS30RLS
	Bracket: Right Angle; 30 mm hole; Small Legend, Automotive Industry;
	SMBAMS30PL52R
()	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
<b>I</b>	SMB30MM-62101
	SMB30MM-62101 MNTG BRKT QTY 2 30 MILLIMETER
	SMB30RAL52R
	Bracket: 30 mm Hole; 8.3 mm X 127 mm Slot; Zinc Plated Cold Rolled Steel
	SMBAMS30RAE
	Bracket: 30 mm Right Angle extended version; Material: 12 Gauge Cold Rolled Steel; Curved Mounting Slot for versatility/orientation
	SMB30FVKQ
	Bracket: 30 mm Bracket Assembly
	SMB30AZ
	SMB30AZ 30MM BRACKET ASSY CHINA ONLY
	SMB30RAVKQ
	Bracket: 30 mm Bracket Assembly



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America