



QS30FF400Q

► QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR



WORLD-BEAM QS30 Series: Fixed-Field
Range: 400 mm; Input: 10-30 V dc
Output: Bipolar: 1 NPN; 1 PNP
Euro-Style Euro M12 5-pin Integral QD
Part Number: 73089

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Background Suppression (Fixed)
Housing Style	Rectangular w/M30 Mount
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Range (mm)	400
Outputs	Bipolar (NPN & PNP)
Power Supply/Supply Voltage	10-30 V dc
Connection	Integral QD
Quick Disconnect Type	M12 (Euro)
Sensing Beam	Visible Red LED

Operation	Light/Dark Operate
Max Op. Temp. (°C)	70
Min Op. Temp. (°C)	-20
Output response time (ms)	2
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
IP Rating	IP67
Delay at Power-up (ms)	100
Repeatability (µs)	500
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)	No
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No

RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES



SMB30MM

Bracket: 30mm; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware

	SMB30SC Bracket: Compact 30 mm Swivel; 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
	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 SMB30FA MOUNTING BRACKET
	SMB30RAVK Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle
	SMBQS30Y 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)
	SMB30FVK SMB30FVK 30MM BRACKET ASSY
	SMBAMS30P Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation
	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
	SMBQS30LT Bracket: Tall right-angle bracket for QD models; +/- 8 deg tilt adjustment;14-ga. Stainless Steel; Used with QS30 with Integral QDs
	SMB30C Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware included

	SMBQS30YL 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)
	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
	SMB30FAM10 SMB30FAM10 MOUNTING BRACKET, M10 X 50MM SHCS, M5 X 18MM SHCS
	SMBAMS30PL52 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
	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
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ACCESSORIES

	SMB30RAVKQ Bracket: 30 mm Bracket Assembly
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