



QS18AB6AF40

► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM: Adjustable Field Background Suppression

Cutoff Adjustment Range: 15 to 40mm; Input:10-30V dc

Outputs: Bipolar NPN and PNP Light Operate

2 m (6.5 ft.) Cable

Part Number: 12163

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Background Suppression (Adjustable)
Housing Style	Rectangular
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Range (mm)	40
Outputs	Bipolar (NPN & PNP)
Power Supply/Supply Voltage	10-30 V dc
Connection	2 m Cable
Quick Disconnect Type	No QD
Sensing Beam	Visible Red LED

Operation	Light Operate
Max Op. Temp. (°C)	55
Min Op. Temp. (°C)	-20
Output response time (ms)	2.5
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
IP Rating	IP67
Delay at Power-up (ms)	200
Repeatability (µs)	250
Number of Pins	4
NEMA Rating	NEMA 6
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	Mechanical Screw
Barrel Diameter (mm)	N/A
Indicator	LEDs
Opposed Mode Emitter/Receiver	N/A
Feature: Timing (Hold/Delay)	No
Feature: Encapsulated	No
Feature: Hazardous Area	No
Feature: Audible	No
Feature: Chemical Resistant	No
IO Link	No

RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	SMB18A Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware
	SMB18SF Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included
	SMB312S Bracket: Side Mounting; Material: Stainless Steel 2-axis
	SMB18FA Bracket: Kit for 12 mm (1/2 in.) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)
	SMB312PD Bracket: 18 mm Barrel Mounting; Material: Stainless Steel
	SMB18S Bracket: 18 mm Swivel; Material: Black VALOX; 18 mm swivel; Hardware included
	SMB18UR Bracket: 2 part universal rotating stainless steel; Allows full horizontal movement; Allows full vertical movement
	SMBQS18A SMBQS18A MOUNTING BRACKET ASSY
	SMB3018SC Bracket: 18 mm swivel barrel or side mounting; Black reinforced thermoplastic polyester; Hardware included
	SMB30SUS Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation
	SMBAMS18RA Bracket: Right-angle SMBAMS series with; 18 mm hole for mounting sensors; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel
	SMB46L Bracket: L; Material: 14 Gauge 316 Stainless Steel
	SMBAMS18P Bracket: Flat SMBAMS series with 18 mm ; hole for mounting sensors; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel

	SMBQS18AF SMBQS18AF MOUNTING BRACKET ASSY
	SMB18Q Bracket: 18 mm Angled Flanged-Mount; Material: 12 Gauge Stainless Steel; Barrel-Mount
	SMB30SK Bracket: Flat mount swivel with extended range; Allows full articulation; Black thermoplastic polyester & 316 stainless steel; Hardware included
	SMB46A Bracket: Adjustable; Stainless Steel; Includes: 2 mm shortarm hex keys
	SMB18AFA Bracket: Covered Mounting Bracket
	SMB18C Bracket: Stainless Steel Mounting; Material: Black VALOX; 18mm split clamp ; Hardware included
	SMB18FAM10 Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes M10-1.5 X 50 mm Socket Head Cap Screw (SHCS)
	SMB46U Bracket: U; Material: 14 Gauge 316 Stainless Steel
	SMBQS18RA SMBQS18RA MOUNTING BRACKET
	SMB46S Bracket: S; Material: 14 Gauge 316 Stainless Steel
	SMB18FM SMB18FM FLANGE MOUNT 18MM BRACKET KIT
	SMB18WT Bracket: 2 part universal rotating stainless steel; Allows full horizontal/vertical movement, modified for DS18 AC models
	SMB1812SF Bracket: Swivel; Compact 12mm; Black reinforced thermoplastic polyester; Hardware included
	SMB18FAB SMB18FAB MOUNTING BRACKET; 121704

	SMB18SM Bracket: Mounts by its base; Material: Black VALOX; Flexible and Convenient ; Hardware included
	SMB18RAVK SMB18RAVK 18MM BRACKET ASSY
	SMBC18 Bracket: 28 mm Creform Mounting ; Material: Plastic; For 18 mm Lights and Sensors
	SMB18AFAM10 Bracket: Covered Mounting Bracket with 10 mm Screw
	SMB18ATFA SMB18ATFA COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES
	SMBQS18DIN SMBQS18DIN MOUNTING BRACKET ASSY
	SMB18UR-2 SMB18UR-2 MOUNTING BRKT. ASSY
	SMB18ATFAM10 SMB18ATFAM10 COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES, W/10MM SCREW
	SMB18FVK SMB18FVK 18MM BRACKET ASSY



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