



## QS18RNWL

### ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Univ Volt; Retro Visible Red

Range: 6.5 m; Input: 20 to 270V ac/dc

Output: D.O. N-MOSFET (Sinking)

2m Cable

Part Number: 79597

#### CERTIFICATIONS
















#### SPECIFICATIONS














<b>Sensing Mode (General)</b>	Retroreflective
<b>Sensing Mode (Detailed)</b>	Non-Polarized
<b>Housing Style</b>	Rectangular w/M18 Mount
<b>Primary Housing Material</b>	Thermoplastic
<b>Input/Output</b>	Discrete
<b>Max Sensing Range (mm)</b>	6500
<b>Outputs</b>	N-MOSFET (Sinking)
<b>Power Supply/Supply Voltage</b>	20-270 V ac/dc
<b>Connection</b>	2 m Cable
<b>Quick Disconnect Type</b>	No QD
<b>Sensing Beam</b>	Visible Red LED

<b>Operation</b>	Dark Operate
<b>Max Op. Temp. (°C)</b>	70 if < 140V, 55 if > 140V
<b>Min Op. Temp. (°C)</b>	-25
<b>Output response time (ms)</b>	8.3
<b>Special Feature: Intrinsically Safe</b>	No
<b>Special Feature: Remote Teach</b>	No
<b>Special Feature: Water Detection</b>	No
<b>IP Rating</b>	IP67
<b>Delay at Power-up (ms)</b>	100ms dc, 300ms ac
<b>Repeatability (µs)</b>	1500
<b>Number of Pins</b>	3
<b>NEMA Rating</b>	NEMA 6
<b>Max Op. Relative Humidity [%]</b>	95% @ 55°C
<b>Lens Material</b>	PMMA
<b>Adjustments</b>	Potentiometer
<b>Barrel Diameter (mm)</b>	18
<b>Indicator</b>	LEDs
<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
<b>Feature: Chemical Resistant</b>	No
<b>IO Link</b>	No

## RECOMMENDED PRODUCTS





## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

	<p><b>SMB18A</b></p> <p>Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware</p>
	<p><b>SMB18SF</b></p> <p>Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included</p>
	<p><b>SMB312S</b></p> <p>Bracket: Side Mounting; Material: Stainless Steel 2-axis</p>
	<p><b>SMB18FA</b></p> <p>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)</p>
	<p><b>SMB312PD</b></p> <p>Bracket: 18 mm Barrel Mounting; Material: Stainless Steel</p>
	<p><b>SMB18S</b></p> <p>Bracket: 18 mm Swivel; Material: Black VALOX; 18 mm swivel; Hardware included</p>
	<p><b>SMBQS18Y</b></p> <p>SMBQS18Y MOUNTING BRACKET ASSY</p>
	<p><b>SMB18UR</b></p> <p>Bracket: 2 part universal rotating stainless steel; Allows full horizontal movement; Allows full vertical movement</p>
	<p><b>SMBQS18A</b></p> <p>SMBQS18A MOUNTING BRACKET ASSY</p>
	<p><b>SMB3018SC</b></p> <p>Bracket: 18 mm swivel barrel or side mounting; Black reinforced thermoplastic polyester; Hardware included</p>
	<p><b>SMB30SUS</b></p> <p>Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation</p>
	<p><b>SMBAMS18RA</b></p> <p>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</p>
	<p><b>SMB46L</b></p> <p>Bracket: L; Material: 14 Gauge 316 Stainless Steel</p>

	<p><b>SMBAMS18P</b></p> <p>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</p>
	<p><b>SMB18Q</b></p> <p>Bracket: 18 mm Angled Flanged-Mount; Material: 12 Guage Stainless Steel; Barrel-Mount</p>
	<p><b>SMB30SK</b></p> <p>Bracket: Flat mount swivel with extended range; Allows full articulation; Black thermoplastic polyester &amp; 316 stainless stee; Hardware included</p>
	<p><b>SMB46A</b></p> <p>Bracket: Adjustable; Stainless Steel; Includes: 2 mm shortarm hex keys</p>
	<p><b>SMB18AFA</b></p> <p>Bracket: Covered Mounting Bracket</p>
	<p><b>SMB18C</b></p> <p>Bracket: Stainless Steel Mounting; Material: Black VALOX; 18mm split clamp ; Hardware included</p>
	<p><b>SMB18FAM10</b></p> <p>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)</p>
	<p><b>SMB46U</b></p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMBQS18RA</b></p> <p>SMBQS18RA MOUNTING BRACKET</p>
	<p><b>SMB4050YL</b></p> <p>SMB4050YL MOUNTING BRACKET ASSY W/REPLACEABLE LENS COVER</p>
	<p><b>SMB46S</b></p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p>
	<p><b>SMB18FM</b></p> <p>SMB18FM FLANGE MOUNT 18MM BRACKET KIT</p>
	<p><b>SMB18WT</b></p> <p>Bracket: 2 part universal rotating stainless steel; Allows full horizontal/vertical movement, modified for DS18 AC models</p>

	<p><b>SMB1812SF</b></p> <p>Bracket: Swivel; Compact 12mm; Black reinforced thermoplastic polyester; Hardware included</p>
	<p><b>SMB18FAB</b></p> <p>SMB18FAB MOUNTING BRACKET; 121704</p>
	<p><b>SMB18SM</b></p> <p>Bracket: Mounts by its base; Material: Black VALOX; Flexible and Convenient ; Hardware included</p>
	<p><b>SMB18RAVK</b></p> <p>SMB18RAVK 18MM BRACKET ASSY</p>
	<p><b>SMBC18</b></p> <p>Bracket: 28 mm Creform Mounting ; Material: Plastic; For 18 mm Lights and Sensors</p>
	<p><b>SMB18AFAM10</b></p> <p>Bracket: Covered Mounting Bracket with 10 mm Screw</p>
	<p><b>SMB18ATFA</b></p> <p>SMB18ATFA COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES</p>
	<p><b>SMBQS18DIN</b></p> <p>SMBQS18DIN MOUNTING BRACKET ASSY</p>
	<p><b>SMBQS18WRS</b></p> <p>SMBQS18WRS</p>
	<p><b>SMB18UR-2</b></p> <p>SMB18UR-2 MOUNTING BRKT. ASSY</p>
	<p><b>SMB18ATFAM10</b></p> <p>SMB18ATFAM10 COVERED MOUNTING BRACKET,115MM LONG 4 MOUNTING HOLES, W/10MM SCREW</p>
	<p><b>SMB18AZ</b></p> <p>SMB18AZ MOUNTING BRACKET ASSY METAL BRACKET CHINA ONLY</p>
	<p><b>SMB18FVK</b></p> <p>SMB18FVK 18MM BRACKET ASSY</p>
	<p><b>SMB18URZ</b></p> <p>SMB18URZ MOUNTING BRACKET ASSY CHINA ONLY</p>

**RETROREFLECTIVE TARGET**

	<b>BRT-2X2</b>
	Retroreflective Target: Rectangular -51x51mm; Reflectivity Factor: 1.0; Max. Temp.= 50 degrees C; Plastic - two screw holes for mounting
	<b>BRT-84</b>
	BRT-84



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