

# QS18VP6LVQ8

► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Series: Retro  
Range: 6.5m; Input: 10-30V dc  
Output: Complementary Solid State PNP  
Integral Euro-Style Quick-Disconnect Connector  
Part Number: 66454

CERTIFICATIONS



SPECIFICATIONS





Sensing Mode (General)	Retroreflective
Sensing Mode (Detailed)	Non-Polarized
Housing Style	Rectangular w/M18 Mount








<b>Max Sensing Range (mm)</b>	6500
<b>Outputs</b>	PNP
<b>Power Supply/Supply Voltage</b>	10-30 V dc
<b>Connection</b>	Integral QD
<b>Quick Disconnect Type</b>	M12 (Euro)
<b>Sensing Beam</b>	Visible Red LED
<b>Operation</b>	Light/Dark Operate
<b>Max Op. Temp. (°C)</b>	70
<b>Min Op. Temp. (°C)</b>	-20
<b>Output response time (ms)</b>	0.6
<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>	100
<b>Repeatability (µs)</b>	150
<b>Number of Pins</b>	4
<b>NEMA Rating</b>	NEMA 6
<b>Max Op. Relative Humidity [%]</b>	95% @ 50°C
<b>Lens Material</b>	Acrylic
<b>Adjustments</b>	Potentiometer

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
Input/Output	Discrete











RELATED PRODUCTS











SINGLE ENDED CORDSETS

	<b>MQDC-406</b>
	Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut
	<b>MQDC-406RA</b>
	Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut
	<b>MQDC-415</b>
	Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut.
	<b>MQDC-415RA</b>
	Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut











	Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut
	<b>MQDC-430RA</b>
	Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut
	<b>MQDC-450</b>
	Euro-Style Quick Disconnect Cable; 4-Pin Straight Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut
	<b>MQDC-450RA</b>
	Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut






## ACCESSORIES

	<b>SMB18A</b>
	Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware
	<b>SMB18SF</b>
	Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included
	<b>SMB312S</b>
	Bracket: Side Mounting; Material: Stainless Steel 2-axis
	<b>SMB18FA</b>
	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)
	<b>SMB312PD</b>
	Bracket: 18 mm Barrel Mounting; Material: Stainless Steel

	Bracket: 18 mm Swivel; Material: Black VALOX; 18 mm swivel; Hardware included
	<b>SMBQS18Y</b>
	SMBQS18Y MOUNTING BRACKET ASSY
	<b>SMB18UR</b>
	Bracket: 2 part universal rotating stainless steel; Allows full horizontal movement; Allows full vertical movement
	<b>SMBQS18A</b>
	SMBQS18A MOUNTING BRACKET ASSY
	<b>SMB3018SC</b>
	Bracket: 18 mm swivel barrel or side mounting; Black reinforced thermoplastic polyester; Hardware included
	<b>SMB30SUS</b>
	Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation
	<b>SMBAMS18RA</b>
	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
	<b>SMB46L</b>
	Bracket: L; Material: 14 Gauge 316 Stainless Steel
	<b>SMBAMS18P</b>
	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
	<b>SMB18Q</b>
	Bracket: 18 mm Angled Flanged-Mount; Material: 12 Guage Stainless Steel; Barrel-Mount

	Bracket: Flat mount swivel with extended range; Allows full articulation; Black thermoplastic polyester & 316 stainless steel; Hardware included
	<b>SMB46A</b>
	Bracket: Adjustable; Stainless Steel; Includes: 2 mm shortarm hex keys
	<b>SMB18C</b>
	Bracket: Stainless Steel Mounting; Material: Black VALOX; 18mm split clamp ; Hardware included
	<b>SMB18FAM10</b>
	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)
	<b>SMB46U</b>
	Bracket: U; Material: 14 Gauge 316 Stainless Steel
	<b>SMBQS18RA</b>
	SMBQS18RA MOUNTING BRACKET
	<b>SMB4050YL</b>
	SMB4050YL MOUNTING BRACKET ASSY W/REPLACEABLE LENS COVER
	<b>SMB46S</b>
	Bracket: S; Material: 14 Gauge 316 Stainless Steel
	<b>SMB18FM</b>
	SMB18FM FLANGE MOUNT 18MM BRACKET KIT
	<b>SMB18WT</b>
	Bracket: 2 part universal rotating stainless steel; Allows full horizontal/vertical movement, modified for DS18 AC models
	<b>SMB1812SF</b>
	Bracket: Swivel; Compact 12mm; Black reinforced thermoplastic polyester; Hardware included

	SMB18FAB MOUNTING BRACKET; 121704
	<b>SMB18SM</b>
	Bracket: Mounts by its base; Material: Black VALOX; Flexible and Convienient ; Hardware included
	<b>SMB18RAVK</b>
	SMB18RAVK 18MM BRACKET ASSY
	<b>SMBC18</b>
	Bracket: 28 mm Creform Mounting ; Material: Plastic; For 18 mm Lights and Sensors
	<b>SMB18ATFA</b>
	SMB18ATFA COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES
	<b>SMBQS18DIN</b>
	SMBQS18DIN MOUNTING BRACKET ASSY
	<b>SMB18FKI1</b>
	SMB18FKI1 BRACKET SMBHM18FCZ; 13812, BRACKET SMBLSCZDS18; 146848 W/ MOUNTING HARDWARE
	<b>SMBQS18WRS</b>
	SMBQS18WRS
	<b>SMB18UR-2</b>
	SMB18UR-2 MOUNTING BRKT. ASSY
	<b>SMH241F</b>
	Nut Plate; 16 gauge stainless steel; Replaces two M3 mounting nuts and washers
	<b>SMB18ATFAM10</b>
	SMB18ATFAM10 COVERED MOUNTING BRACKET,115MM LONG 4 MOUNTING HOLES, W/10MM SCREW

	SMB18AZ MOUNTING BRACKET ASSY METAL BRACKET CHINA ONLY
	<b>SMB18FVK</b>
	SMB18FVK 18MM BRACKET ASSY
	<b>SMB18URZ</b>
	SMB18URZ MOUNTING BRACKET ASSY CHINA ONLY
	<b>SMB18AFA</b>
	Bracket: Covered Mounting Bracket
	<b>SMB18AFAM10</b>
	Bracket: Covered Mounting Bracket with 10 mm Screw
	<b>SMB18AFAB</b>
	SMB18AFAB COVERED MOUNTING BRACKET; 148901

## 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