



# QS18VP6CV15Q

## ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



Range: 16 mm; Input: 10-30V dc  
Part Number: 61643

### CERTIFICATIONS



### SPECIFICATIONS



Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Convergent
Housing Style	Rectangular w/M18 Mount
Primary Housing Material	Thermoplastic
Input/Output	Discrete
Max Sensing Distance (mm)	16
Outputs	PNP
Power Supply/Supply Voltage	10-30 V dc

<b>Connection</b>	Pigtail QD
<b>Quick Disconnect Type</b>	M8 (Pico)
<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
<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

IO Link	No
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## RECOMMENDED PRODUCTS












### SINGLE ENDED CORDSETS





	<b>PKG4-2</b> Pico-style Quick Disconnect Cable; 4 Pin Straight Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling
	<b>PKW4Z-2</b> Pico-style Quick Disconnect Cable; 4 Pin Right Angle Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling

## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING 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
	<b>SMB18S</b> 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 Gauge Stainless Steel; Barrel-Mount
	<b>SMB30SK</b>  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>SMB18AFA</b>  Bracket: Covered Mounting Bracket
	<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
	<b>SMB18FAB</b>  SMB18FAB MOUNTING BRACKET; 121704
	<b>SMB18SM</b>  Bracket: Mounts by its base; Material: Black VALOX; Flexible and Convenient ; 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>SMB18AFAM10</b>  Bracket: Covered Mounting Bracket with 10 mm Screw

	<b>SMB18ATFA</b>  SMB18ATFA COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES
	<b>SMBQS18DIN</b>  SMBQS18DIN MOUNTING BRACKET ASSY
	<b>SMBQS18WRS</b>  SMBQS18WRS
	<b>SMB18UR-2</b>  SMB18UR-2 MOUNTING BRKT. ASSY
	<b>SMB18ATFAM10</b>  SMB18ATFAM10 COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES, W/10MM SCREW
	<b>SMB18AZ</b>  SMB18AZ MOUNTING BRACKET ASSY METAL BRACKET CHINA ONLY
	<b>SMB18FVK</b>  SMB18FVK 18MM BRACKET ASSY
	<b>SMB18URZ</b>  SMB18URZ MOUNTING BRACKET ASSY CHINA ONLY



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