



QS18VP6FF150Q7

► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM Q18 Series: Fixed-Field
 Range: 150 mm; Input: 10-30 V dc
 Output: Complementary Solid State PNP
 Pico Integral Quick-Disconnect
 Part Number: 801161

CERTIFICATIONS



SPECIFICATIONS

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| Sensing Mode (General) | Proximity |
| Sensing Mode (Detailed) | Background Suppression (Fixed) |
| Housing Style | Rectangular w/M18 Mount |
| Primary Housing Material | Thermoplastic |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 150 |
| Outputs | PNP |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | Integral QD |
| Quick Disconnect Type | M8 (Pico) |
| Sensing Beam | Visible Red LED |











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| Operation | Light/Dark Operate |
| Max Op. Temp. (°C) | 70 |
| Min Op. Temp. (°C) | -20 |
| Output response time (ms) | 0.85 |
| Special Feature: Intrinsically Safe | No |
| Special Feature: Remote Teach | No |
| Special Feature: Water Detection | No |
| IP Rating | IP67 |
| Sensing Beam Wavelength | 632 |
| Delay at Power-up (ms) | 100 |
| Repeatability (µs) | 160 |
| Number of Pins | 4 |
| NEMA Rating | NEMA 6 |
| Max Op. Relative Humidity [%] | 95% @ 50°C |
| Lens Material | Acrylic |
| Adjustments | N/A |
| Barrel Diameter (mm) | 18 |
| 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















SINGLE ENDED CORDSETS

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|  | PKG4-2 |
| | Pico-style Quick Disconnect Cable; 4 Pin Straight Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling |
|  | PKW4Z-2 |
| | 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

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|---|---|
|  | 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 |
|  | SMBQS18Y |
| | SMBQS18Y MOUNTING BRACKET ASSY |
|  | 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 |

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|  | <p>SMB30SUS</p> <p>Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation</p> |
|  | <p>SMBAMS18RA</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>SMB46L</p> <p>Bracket: L; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMBAMS18P</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>SMB18Q</p> <p>Bracket: 18 mm Angled Flanged-Mount; Material: 12 Guage Stainless Steel; Barrel-Mount</p> |
|  | <p>SMB30SK</p> <p>Bracket: Flat mount swivel with extended range; Allows full articulation; Black thermoplastic polyester & 316 stainless stee; Hardware included</p> |
|  | <p>SMB46A</p> <p>Bracket: Adjustable; Stainless Steel; Includes: 2 mm shortarm hex keys</p> |
|  | <p>SMB18AFA</p> <p>Bracket: Covered Mounting Bracket</p> |
|  | <p>SMB18C</p> <p>Bracket: Stainless Steel Mounting; Material: Black VALOX; 18mm split clamp ; Hardware included</p> |
|  | <p>SMB18FAM10</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>SMB46U</p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMBQS18RA</p> <p>SMBQS18RA MOUNTING BRACKET</p> |
|  | <p>SMB4050YL</p> <p>SMB4050YL MOUNTING BRACKET ASSY W/REPLACEABLE LENS COVER</p> |

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|  | <p>SMB46S</p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMB18FM</p> <p>SMB18FM FLANGE MOUNT 18MM BRACKET KIT</p> |
|  | <p>SMB18WT</p> <p>Bracket: 2 part universal rotating stainless steel; Allows full horizontal/vertical movement, modified for DS18 AC models</p> |
|  | <p>SMB1812SF</p> <p>Bracket: Swivel; Compact 12mm; Black reinforced thermoplastic polyester; Hardware included</p> |
|  | <p>SMB18FAB</p> <p>SMB18FAB MOUNTING BRACKET; 121704</p> |
|  | <p>SMB18SM</p> <p>Bracket: Mounts by its base; Material: Black VALOX; Flexible and Convenient ; Hardware included</p> |
|  | <p>SMB18RAVK</p> <p>SMB18RAVK 18MM BRACKET ASSY</p> |
|  | <p>SMBC18</p> <p>Bracket: 28 mm Creform Mounting ; Material: Plastic; For 18 mm Lights and Sensors</p> |
|  | <p>SMB18AFAM10</p> <p>Bracket: Covered Mounting Bracket with 10 mm Screw</p> |
|  | <p>SMB18ATFA</p> <p>SMB18ATFA COVERED MOUNTING BRACKET, 115MM LONG 4 MOUNTING HOLES</p> |
|  | <p>SMBQS18DIN</p> <p>SMBQS18DIN MOUNTING BRACKET ASSY</p> |
|  | <p>SMBQS18WRS</p> <p>SMBQS18WRS</p> |
|  | <p>SMB18UR-2</p> <p>SMB18UR-2 MOUNTING BRKT. ASSY</p> |
|  | <p>SMB18ATFAM10</p> <p>SMB18ATFAM10 COVERED MOUNTING BRACKET,115MM LONG 4 MOUNTING HOLES, W/10MM SCREW</p> |

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|  | SMB18AZ SMB18AZ MOUNTING BRACKET ASSY METAL BRACKET CHINA ONLY |
|  | SMB18FVK SMB18FVK 18MM BRACKET ASSY |
|  | SMB18URZ SMB18URZ MOUNTING BRACKET ASSY CHINA ONLY |



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