



QS18VN6FF100Q8

► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18Series: Fixed-Field

Range: 100 mm cutoff

Output: Complementary Solid State NPN

Integral Euro-Style Quick-Disconnect Connector

Part Number: 71878

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) | 100 |
| Outputs | NPN |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | Integral QD |
| Quick Disconnect Type | M12 (Euro) |
| 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 |
| 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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|  | <p>MQDC-406</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated Brass Coupling Nut</p> |
|  | <p>MQDC-406RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut</p> |
|  | <p>MQDC-415</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated Brass Coupling Nut.</p> |
|  | <p>MQDC-415RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut</p> |
|  | <p>MQDC-430</p> <p>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated Brass Coupling Nut</p> |
|  | <p>MQDC-430RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut</p> |
|  | <p>MQDC-450</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Straight Connector; 15 m (50 ft) in Length; Nickel-plated Brass Coupling Nut</p> |
|  | <p>MQDC-450RA</p> <p>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut</p> |

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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|---|---|
|  | <p>SMB18A</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>SMB18SF</p> <p>Bracket: 18 mm Swivel; Material: Black VALOX; Mounting Flange; Swivel Locking Hardware Included</p> |
|  | <p>SMB312S</p> <p>Bracket: Side Mounting; Material: Stainless Steel 2-axis</p> |

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|  | <p>SMB18FA</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>SMB312PD</p> <p>Bracket: 18 mm Barrel Mounting; Material: Stainless Steel</p> |
|  | <p>SMB18S</p> <p>Bracket: 18 mm Swivel; Material: Black VALOX; 18 mm swivel; Hardware included</p> |
|  | <p>SMBQS18Y</p> <p>SMBQS18Y MOUNTING BRACKET ASSY</p> |
|  | <p>SMB18UR</p> <p>Bracket: 2 part universal rotating stainless steel; Allows full horizontal movement; Allows full vertical movement</p> |
|  | <p>SMBQS18A</p> <p>SMBQS18A MOUNTING BRACKET ASSY</p> |
|  | <p>SMB3018SC</p> <p>Bracket: 18 mm swivel barrel or side mounting; Black reinforced thermoplastic polyester; Hardware included</p> |
|  | <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 steel; Hardware included</p> |

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|  | <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> |
|  | <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> |

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|---|---|
|  | <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> |
|  | <p>SMB18AZ</p> <p>SMB18AZ MOUNTING BRACKET ASSY METAL BRACKET CHINA ONLY</p> |
|  | <p>SMB18FVK</p> <p>SMB18FVK 18MM BRACKET ASSY</p> |
|  | <p>SMB18URZ</p> <p>SMB18URZ MOUNTING BRACKET ASSY CHINA ONLY</p> |



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