



QS30R

► QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR



WORLD-BEAM QS30 Series: Receiver

Range: 60 m; Input: 10-30V dc

Output: Bipolar: 1 NPN; 1 PNP

2 m (6.5 ft) Cable

Part Number: 73078

CERTIFICATIONS



SPECIFICATIONS

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| Sensing Mode (General) | Opposed |
| Sensing Mode (Detailed) | Receiver |
| Housing Style | Rectangular w/M30 Mount |
| Primary Housing Material | Thermoplastic |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 60000 |
| Outputs | Bipolar (NPN & PNP) |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | 2 m Cable |
| Quick Disconnect Type | No QD |
| Sensing Beam | Infrared LED |

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| Operation | Light/Dark Operate |
| Max Op. Temp. (°C) | 70 |
| Min Op. Temp. (°C) | -20 |
| Output response time (ms) | 5 |
| 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) | N/A |
| Number of Pins | 5 |
| NEMA Rating | NEMA 6 |
| Max Op. Relative Humidity [%] | 95% @ 50°C |
| Lens Material | Acrylic |
| Adjustments | N/A |
| Barrel Diameter (mm) | 30 |
| Indicator | LEDs |
| Opposed Mode Emitter/Receiver | Receiver |
| Feature: Timing (Hold/Delay) | No |
| Feature: Encapsulated | No |
| Feature: Hazardous Area | No |
| Feature: Audible | No |

RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES



SMB30MM


Bracket: 30mm; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware

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|  | <p>SMB30SC</p> <p>Bracket: Compact 30 mm Swivel; Black reinforced thermoplastic polyester; Wide Range of Articulation ; Hardware included</p> |
|  | <p>SMB30A</p> <p>Bracket: Right Angle Mounting; Material: 12 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M6 (1/4 in.) hardware</p> |
|  | <p>SMB30S</p> <p>Bracket: Stainless Steel Mounting; Material: Black Polyester; 30 mm Swivel ; Hardware included</p> |
|  | <p>SMBAMS30RA</p> <p>Bracket: 30mm Right Angle; Material: 12 Gauge cold rolled steel; Curved mounting slot for versatility/orientation</p> |
|  | <p>SMB30FA</p> <p>SMB30FA MOUNTING BRACKET</p> |
|  | <p>SMB30RAVK</p> <p>Bracket: V-Clamp Mount; 30 mm hole to 28 mm tube; Right-angle</p> |
|  | <p>SMBQS30Y</p> <p>Bracket: Heavy-duty die-cast bracket M18 vertical mount option; +/- 8 deg tilt adjustment with cabled units; Includes nuts and lock washerr; Used with QS30 (DC only)</p> |
|  | <p>SMB30FVK</p> <p>SMB30FVK 30MM BRACKET ASSY</p> |
|  | <p>SMBAMS30P</p> <p>Bracket: 30 mm flat bracket; Material: 12 Gauge Cold Rolled Steel; Curved mounting slot for versatility/orientation</p> |
|  | <p>SMBQS30L</p> <p>Bracket: Stainless Steel Right-Angle; 14-ga Stainless Steel; Clearance for M4 (no 8) Hardware; +/- 12 Degree Tilt Adjustment</p> |
|  | <p>SMB46L</p> <p>Bracket: L; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMB30SM</p> <p>Bracket: Swivel; Material: Black VALOX; Swivel ball is locked when bolts are tightened ; Hardware included</p> |
|  | <p>SMB30C</p> <p>Bracket: Stainless Steel Mounting; Material: Black VALOX; 30mm split clamp ; Hardware included</p> |

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|  | <p>SMBQS30YL</p> <p>Bracket: Heavy-duty die-cast bracket designed for ; industrial protection; Replaceable window; M18 vertical mount option; Includes nuts and lock washer; Used with QS30 (DC only)</p> |
|  | <p>SMB30Q</p> <p>Bracket: 30 mm Angle Flanged Mounting; For use with Q40 Sensors</p> |
|  | <p>SMB46U</p> <p>Bracket: U; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMB46S</p> <p>Bracket: S; Material: 14 Gauge 316 Stainless Steel</p> |
|  | <p>SMB30FAM10</p> <p>SMB30FAM10 MOUNTING BRACKET, M10 X 50MM SHCS, M5 X 18MM SHCS</p> |
|  | <p>SMBAMS30PL52</p> <p>SMBAMS30PL52 AUTOMOTIVE BRKT STRAIGHT LEGEND PLATE</p> |
|  | <p>SMBAMS30RLJ</p> <p>Bracket: Right-angle SMBAMS series with 70 x 40 mm space for label; 30 mm hole for mounting sensor; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel</p> |
|  | <p>SMBAMS30RLS</p> <p>Bracket: Right Angle; 30 mm hole; Small Legend, Automotive Industry;</p> |
|  | <p>SMBAMS30PL52R</p> <p>Bracket: Flat SMBAMS series with space; for 60 x 58 mm label; 30 mm hole for mounting sensors; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel</p> |
|  | <p>SMB30MM-62101</p> <p>SMB30MM-62101 MNTG BRKT QTY 2 30 MILLIMETER</p> |
|  | <p>SMB30RAL52R</p> <p>Bracket: 30 mm Hole; 8.3 mm X 127 mm Slot; Zinc Plated Cold Rolled Steel</p> |
|  | <p>SMBAMS30RAE</p> <p>Bracket: 30 mm Right Angle extended version; Material: 12 Gauge Cold Rolled Steel; Curved Mounting Slot for versatility/orientation</p> |
|  | <p>SMB30FVKQ</p> <p>Bracket: 30 mm Bracket Assembly</p> |

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|  | SMB30AZ |
| SMB30AZ 30MM BRACKET ASSY CHINA ONLY | |

ACCESSORIES

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|---|-------------------|
|  | SMB30RAVKQ |
| Bracket: 30 mm Bracket Assembly | |



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