

# QS30VR3LP

► QS30 SERIES HIGH-PERFORMANCE LONG-RANGE SENSOR





WORLD-BEAM QS30 Series: Universal Voltage  
 Range: 8 m; Input: 12-250 V dc or 24-250 V ac  
 Output: SPDT e/m Relay  
 2 m (6.5 ft) Cable  
 Part Number: 72545

CERTIFICATIONS



### ACCESSORIES TO COMPLETE YOUR SYSTEM

Add all or individual items to your cart. More options available below.

	<p><b>SMB30A</b></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><b>BRT-2X2</b></p> <p>Retroreflective Target: Square area - 51 x 51 mm                  Reflectivity Factor: 1.0                  Max. Temp.= 50 degrees C                  Plastic - two screw holes for Mounting</p>

### SPECIFICATIONS


Power	AC/DC Universal
Sensing Beam	Visible Red LED
Cable Length (m)	2
IP Rating	IP67
NEMA / UL Type Rating	NEMA 4X
Supply Voltage	12-250 V dc / 24-250 V ac
Item Status	RELEASED
Sensing Mode (General)	Retroreflective
Sensing Mode (Detailed)	Polarized
Housing Style	Rectangular w/M30 Mount
Primary Housing Material	Thermoplastic
Input/Output	E/M Relay
Max Sensing Distance (mm)	8000
Outputs	SPDT e/m Relay
Connection	Cable
Operation	Light/Dark Operate
Min Op. Temperature (C)	-20
Max Op. Temp. (C)	70


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Output response time (ms)	15
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
Sensing Beam Wavelength	630
Delay at Power-up (ms)	100
Number of Pins	5
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	N/A
Barrel Diameter (mm)	30
Indicator	LEDs
Feature: Washdown Rated	No
Feature: Clear Object Detection	No
Feature: Timing (Hold/Delay)	No
Feature: Audible	No
Feature: Chemical Resistant	No
Feature: Quick Disconnect	No
Feature: Health/Marginal Signal Output	No
DeviceNet	No
EPLAN Status	Published
EPLAN Original Sent Date	10/27/2022

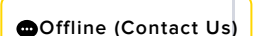
## COMPATIBLE PRODUCTS

### BRACKETS

	<p><b>SMB30MM</b></p> <p>Bracket: 30 mm Material: 12-Gauge Stainless Steel Curved Mounting Slot for Versatility/Orientation Clearance for M6 (1/4 in) Hardware</p>
	<p><b>SMB30SC</b></p> <p>Bracket: Compact 30 mm Swivel Black Reinforced Thermoplastic Polyester Wide Range of Articulation Hardware Included</p>
	<p><b>SMB30A</b></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><b>SMB30S</b></p> <p>Bracket: Plastic Material: Black Polyester 30 mm Swivel Hardware Included</p>

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<b>SMBAMS30RA</b>  Bracket: 30 mm Right-Angle Material: 12-Gauge Cold-rolled Steel Curved Mounting Slot for Versatility/Orientation
<b>SMB30FA</b>  SMB30FA Bracket: Swivel with Tilt and Pan Movement 30 mm Mounting Hole 3/8-16x2in Bolt Thread Mount
<b>SMB30RAVK</b>  Bracket: V-Clamp Mount 30 mm hole to 28 mm tube Right-Angle
<b>SMB30FVK</b>  SMB30FVK Bracket: V-Clamp Flat with Fasteners for Mounting Sensor with 30 mm Threads to Pipe or Extrusions 32.6 mm (1.28 in)
<b>SMBAMS30P</b>  Bracket: 30 mm Flat Bracket Material: 12-Gauge Cold-rolled Steel Curved Mounting Slot for Versatility/Orientation
<b>SMBQS30L</b>  Bracket: Stainless Steel Right-Angle 14-ga Stainless Steel Clearance for M4 (no 8) Hardware +/- 12 Degree Tilt Adjustment
<b>SMB46L</b>  Bracket: L Material: 14-Gauge 316 Stainless Steel
<b>SMB30SM</b>  Bracket: Swivel Material: Black VALOX Swivel ball is locked when bolts are tightened Hardware Included
<b>SMB30C</b>  Bracket: Stainless Steel Mounting Material: Black VALOX 30 mm split clamp Hardware Included
<b>SMB30Q</b>  Bracket: 30 mm Angle Flanged Mounting For use with Q40 Sensors
<b>SMB46U</b>  Bracket: U Material: 14-Gauge 316 Stainless Steel
<b>SMB46S</b>  Bracket: S Material: 14-Gauge 316 Stainless Steel
<b>SMB30FAM10</b>  SMB30FAM10 Bracket: Swivel with Tilt and Pan Movement 30 mm Mounting Hole M10-1.5x50 Bolt Thread
<b>SMBAMS30PL52</b>  SMBAMS30PL52 AUTOMOTIVE BRKT STRAIGHT LEGEND PLATE
<b>SMBAMS30RLJ</b>  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
<b>SMBAMS30RLS</b>  Bracket: Right-Angle 30 mm hole Small Legend, Automotive Industry



	<p><b>SMBAMS30PL52R</b></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><b>SMB30MM-62101</b></p> <p>SMB30 MM-62101 MNTG BRKT QTY 2 30 MILLIMETER</p>
	<p><b>SMBQS30YL-78910</b></p> <p>SMBQS30YL-78910 AC MODELS BRKT ASSY W/REPLACEABLE LENS COVER</p>
	<p><b>SMB30FA2</b></p> <p>SMB30FA2 121705 BRACKET ONLY</p>
	<p><b>SMBHCZM30-25741</b></p> <p>Bracket: 12-Gauge Cold-rolled Steel                  Black Zinc Chromate Dip                  30 mm Mounting Hole                  70 Degree Angle                  Mount for Sony XC56 Camera</p>
	<p><b>SMBAMS30RAE</b></p> <p>Bracket: 30 mm Right-Angle extended version                  Material: 12 Gauge Cold-Rolled Steel                  Curved Mounting Slot for Versatility/Orientation</p>
	<p><b>SMB46LQMT</b></p> <p>SMB46LQMT 25MM SCREWS QMT42 MOUNTING</p>
	<p><b>SMBQS30LT</b></p> <p>Bracket: Tall Right-Angle Bracket for QD models                  +/- 8 deg tilt Adjustment; 14-ga. Stainless Steel                  Used with QS30 with Integral QDs</p>

**RETROREFLECTIVE TARGET TAPE REFLECTORS**

	<p><b>BRT-THG-3-100</b></p> <p>Retroreflective Tape: 75 mm by 2.5 m long                  Reflectivity Factor: 0.7                  Max. Temp.= 60 degrees C                  Adhesive Back for Mounting (0.1875 m squared)</p>
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**RETROREFLECTIVE TARGET REFLECTORS**

	<p><b>BRT-2X2</b></p> <p>Retroreflective Target: Square area - 51 x 51 mm                  Reflectivity Factor: 1.0                  Max. Temp.= 50 degrees C                  Plastic - two screw holes for Mounting</p>
	<p><b>BRT-3</b></p> <p>Retroreflective Target: Circular - diameter 81 mm                  Reflectivity Factor: 1.0                  Max. Temp.= 65 degrees C                  Plastic - one hole for Mounting</p>
	<p><b>BRT-84</b></p> <p>Retroreflective Target: Circular - diameter 81 mm                  Reflectivity Factor: 1.4                  Max Temp = 65 degree C                  Plastic - Center hole for Mounting</p>
	<p><b>BRT-92X92C</b></p> <p>Retroreflective Target: Square 92 x 92 mm                  Reflectivity Factor: 3.0                  Max. Temp.= 50 degrees C                  Plastic - two screw holes for Mounting</p>

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**SMBDX80LM30**

SMBDX80LM30  
CLEAR ZINC COLD ROLLED STEEL  
DX80  
DX80G2M6

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