



# QS186LE212Q8

## ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Series: Laser Class 2;  
Horizontal  
Range: 15 m; Input: 10-30 V dc  
Output: Not Applicable  
Integral Euro-Style Quick-Disconnect Connector  
Part Number: 74317

### CERTIFICATIONS



### SPECIFICATIONS

|                             |                         |
|-----------------------------|-------------------------|
| Sensing Mode (General)      | Opposed                 |
| Sensing Mode (Detailed)     | Laser Emitter           |
| Housing Style               | Rectangular w/M18 Mount |
| Primary Housing Material    | Thermoplastic           |
| Laser Classification        | Class 2                 |
| Input/Output                | Discrete                |
| Max Sensing Range (mm)      | 15000                   |
| Outputs                     | N/A                     |
| Power Supply/Supply Voltage | 10-30 V dc              |
| Connection                  | Integral QD             |
| Quick Disconnect Type       | M12 (Euro)              |

|                                            |            |
|--------------------------------------------|------------|
| <b>Sensing Beam</b>                        | Laser      |
| <b>Operation</b>                           | N/A        |
| <b>Max Op. Temp. (°C)</b>                  | 50         |
| <b>Min Op. Temp. (°C)</b>                  | -10        |
| <b>Output response time (ms)</b>           | N/A        |
| <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>Sensing Beam Wavelength</b>             | 650        |
| <b>Delay at Power-up (ms)</b>              | 10         |
| <b>Repeatability (µs)</b>                  | N/A        |
| <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>                       | PMMA       |
| <b>Adjustments</b>                         | N/A        |
| <b>Barrel Diameter (mm)</b>                | 18         |
| <b>Indicator</b>                           | LEDs       |
| <b>Opposed Mode Emitter/Receiver</b>       | Emitter    |
| <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         |
| <b>IO Link</b>                             | No         |

## RECOMMENDED PRODUCTS

## SINGLE ENDED CORDSETS

|                                                                                     |                                                                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>MQDC-406</b><br><br>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 2 m (6.5 ft) in Length; Nickel-plated Brass Coupling Nut      |
|    | <b>MQDC-406RA</b><br><br>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Nickel-plated brass coupling nut |
|    | <b>MQDC-415</b><br><br>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 5 m (15 ft) in Length; Nickel-plated Brass Coupling Nut.      |
|    | <b>MQDC-415RA</b><br><br>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 5 m (15 ft) in Length; Nickel-plated brass coupling nut  |
|    | <b>MQDC-430</b><br><br>Euro-style Quick Disconnect Cable; 4-Pin Straight Connector; 9 m (30 ft) in Length; Nickel-plated Brass Coupling Nut       |
|   | <b>MQDC-430RA</b><br><br>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 9 m (30 ft) in Length; Nickel-plated brass coupling nut  |
|  | <b>MQDC-450</b><br><br>Euro-Style Quick Disconnect Cable; 4-Pin Straight Connector; 15 m (50 ft) in Length; Nickel-plated Brass Coupling Nut      |
|  | <b>MQDC-450RA</b><br><br>Euro-Style Quick Disconnect Cable; 4-Pin Right-Angle Connector; 15 m (50 ft) in Length; Nickel-plated brass coupling nut |

## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

|                                                                                     |                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>SMB18A</b><br><br>Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware |
|  | <b>SMB312S</b><br><br>Bracket: Side Mounting; Material: Stainless Steel 2-axis                                                                                             |
|  | <b>SMB46A</b><br><br>Bracket: Adjustable; Stainless Steel; Includes: 2 mm shortarm hex keys                                                                                |

|                                                                                   |                                                       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|
|   | <b>SMBQS18A</b><br><br>SMBQS18A MOUNTING BRACKET ASSY |
|  | <b>SMBQS18Y</b><br><br>SMBQS18Y MOUNTING BRACKET ASSY |



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