



# QS18APWDLCL1 W/30

## ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Universal Voltage; Diffuse  
Visible Red  
Range: 450 mm; Input: 20 to 270V ac/dc  
Output:LO; P-MOSFET (Sourcing)  
9 m (30 ft) 600 Volt Cable  
Part Number: 81375

### CERTIFICATIONS



### SPECIFICATIONS

|                             |                         |
|-----------------------------|-------------------------|
| Sensing Mode (General)      | Proximity               |
| Sensing Mode (Detailed)     | Diffuse                 |
| Housing Style               | Rectangular w/M18 Mount |
| Primary Housing Material    | Thermoplastic           |
| Input/Output                | Discrete                |
| Max Sensing Range (mm)      | 450                     |
| Outputs                     | P-MOSFET (Sourcing)     |
| Power Supply/Supply Voltage | 20-140 V ac/dc          |
| Connection                  | 9 m Cable               |
| Quick Disconnect Type       | No QD                   |
| Sensing Beam                | Visible Red LED         |

|                                            |                    |
|--------------------------------------------|--------------------|
| <b>Operation</b>                           | Light Operate      |
| <b>Max Op. Temp. (°C)</b>                  | 70                 |
| <b>Min Op. Temp. (°C)</b>                  | -25                |
| <b>Output response time (ms)</b>           | 8.3                |
| <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>Delay at Power-up (ms)</b>              | 100ms dc, 300ms ac |
| <b>Repeatability (µs)</b>                  | 1500               |
| <b>Number of Pins</b>                      | 3                  |
| <b>NEMA Rating</b>                         | NEMA 6             |
| <b>Max Op. Relative Humidity [%]</b>       | 95% @ 55°C         |
| <b>Lens Material</b>                       | PMMA               |
| <b>Adjustments</b>                         | Potentiometer      |
| <b>Barrel Diameter (mm)</b>                | 18                 |
| <b>Indicator</b>                           | LEDs               |
| <b>Opposed Mode Emitter/Receiver</b>       | N/A                |
| <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

## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

|                                                                                     |                                                                                                                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>SMB312S</b><br><br>Bracket: Side Mounting; Material: Stainless Steel 2-axis                                                             |
|    | <b>SMBQS18Y</b><br><br>SMBQS18Y MOUNTING BRACKET ASSY                                                                                      |
|    | <b>SMBQS18A</b><br><br>SMBQS18A MOUNTING BRACKET ASSY                                                                                      |
|    | <b>SMB30SUS</b><br><br>Bracket: Side Mounting Swivel; Extended range of motion; Black thermoplastic polyester; Allows Maximum Articulation |
|    | <b>SMB46L</b><br><br>Bracket: L; Material: 14 Gauge 316 Stainless Steel                                                                    |
|    | <b>SMB46U</b><br><br>Bracket: U; Material: 14 Gauge 316 Stainless Steel                                                                    |
|   | <b>SMBQS18RA</b><br><br>SMBQS18RA MOUNTING BRACKET                                                                                         |
|  | <b>SMB4050YL</b><br><br>SMB4050YL MOUNTING BRACKET ASSY W/REPLACEABLE LENS COVER                                                           |
|  | <b>SMB46S</b><br><br>Bracket: S; Material: 14 Gauge 316 Stainless Steel                                                                    |
|  | <b>SMBQS18DIN</b><br><br>SMBQS18DIN MOUNTING BRACKET ASSY                                                                                  |



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