



## QS18EP6DQ7

### ► QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR



WORLD-BEAM QS18 Expert Series: Diffuse

Range: 800 mm; Input: 10-30V dc

Output: Complementary Solid State PNP

Integral Pico-Style Quick-Disconnect Connector

Part Number: 72007

#### CERTIFICATIONS



#### SPECIFICATIONS

|                                    |                         |
|------------------------------------|-------------------------|
| <b>Sensing Mode (General)</b>      | Proximity               |
| <b>Sensing Mode (Detailed)</b>     | Diffuse                 |
| <b>Housing Style</b>               | Rectangular w/M18 Mount |
| <b>Primary Housing Material</b>    | Thermoplastic           |
| <b>Input/Output</b>                | Discrete                |
| <b>Max Sensing Range (mm)</b>      | 800                     |
| <b>Outputs</b>                     | PNP                     |
| <b>Power Supply/Supply Voltage</b> | 10-30 V dc              |
| <b>Connection</b>                  | Integral QD             |
| <b>Quick Disconnect Type</b>       | M8 (Pico)               |
| <b>Sensing Beam</b>                | Infrared LED            |











|  |                    |
|--|--------------------|
| <b>Operation</b>                           | Light/Dark Operate |
| <b>Max Op. Temp. (°C)</b>                  | 70                 |
| <b>Min Op. Temp. (°C)</b>                  | -20                |
| <b>Output response time (ms)</b>           | 0.6                |
| <b>Special Feature: Intrinsically Safe</b> | No                 |
| <b>Special Feature: Remote Teach</b>       | Yes                |
| <b>Special Feature: Water Detection</b>    | No                 |
| <b>IP Rating</b>                           | IP67               |
| <b>Delay at Power-up (ms)</b>              | 100                |
| <b>Repeatability (µs)</b>                  | 75                 |
| <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>                         | Teach Button       |
| <b>Barrel Diameter (mm)</b>                | 18                 |
| <b>Indicator</b>                           | LEDs               |
| <b>Opposed Mode Emitter/Receiver</b>       | N/A                |
| <b>Feature: Timing (Hold/Delay)</b>        | Yes                |
| <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

|   |   |
|---|---|
|   | <p><b>PKG4-2</b></p> <p>Pico-style Quick Disconnect Cable; 4 Pin Straight Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling</p>     |
|  | <p><b>PKW4Z-2</b></p> <p>Pico-style Quick Disconnect Cable; 4 Pin Right Angle Connector; 2 m (6.5 ft) in Length; POM snap-lock coupling</p> |

## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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



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