



## Q12RB6FF30

### ► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field

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

Output: DO (Dark Operate) Bipolar: 1 NPN; 1 PNP

2 m (6.5 ft) Cable

Part Number: 72113

#### CERTIFICATIONS



#### SPECIFICATIONS

|                                    |                                |
|------------------------------------|--------------------------------|
| <b>Sensing Mode (General)</b>      | Proximity                      |
| <b>Sensing Mode (Detailed)</b>     | Background Suppression (Fixed) |
| <b>Housing Style</b>               | Rectangular                    |
| <b>Primary Housing Material</b>    | Thermoplastic                  |
| <b>Input/Output</b>                | Discrete                       |
| <b>Max Sensing Range (mm)</b>      | 30                             |
| <b>Outputs</b>                     | Bipolar (NPN & PNP)            |
| <b>Power Supply/Supply Voltage</b> | 10-30 V dc                     |
| <b>Connection</b>                  | 2 m Cable                      |
| <b>Quick Disconnect Type</b>       | No QD                          |
| <b>Sensing Beam</b>                | Visible Red LED                |
| <b>Operation</b>                   | Dark Operate                   |

|  |               |
|--|---------------|
| <b>Max Op. Temp. (°C)</b>                  | 55            |
| <b>Min Op. Temp. (°C)</b>                  | -20           |
| <b>Output response time (ms)</b>           | 0.7           |
| <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>             | 640           |
| <b>Delay at Power-up (ms)</b>              | 120           |
| <b>Repeatability (µs)</b>                  | 175           |
| <b>Number of Pins</b>                      | 3             |
| <b>Max Op. Relative Humidity [%]</b>       | 95% @ 50°C    |
| <b>Lens Material</b>                       | Polycarbonate |
| <b>Adjustments</b>                         | N/A           |
| <b>Barrel Diameter (mm)</b>                | N/A           |
| <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            |

## RECOMMENDED PRODUCTS

### ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

|   |   |
|---|---|
|  | <p><b>SMBQ12A</b></p> <p>Bracket: Right-Angle; Stainless Steel; Used with Q12</p>                             |
|  | <p><b>SMBQ12T</b></p> <p>Bracket: Right-Angle Mount; Stainless Steel: 300 Series; 20 Gauge; Used with Q12</p> |



**SMBQ12S**

Bracket: Side Mount; Stainless Steel; Used with Q12



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