



## Q12AB6FF50

### ► Q12 SERIES MINIATURE SELF-CONTAINED SENSOR



WORLD-BEAM Q12 Series: Fixed-Field

Range: 50 mm Cutoff; Input: 10-30V dc

Output: LO (Light Operate) Bipolar: 1 NPN; 1 PNP

2 m (6.5 ft) Cable

Part Number: 72116

#### 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>	50
<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>	Light 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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