



M12NRQ8

► M12 SERIES METAL 12MM BARREL-MOUNT SENSOR



M12 Series: Receiver

Range: 5 m; Input 10-30V dc

Output: Complementary Solid State NPN

Integral Euro-Style Pigtail QD Connector

Part Number: 77201

CERTIFICATIONS




SPECIFICATIONS


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|------------------------------------|---------------------|
| Sensing Mode (General) | Opposed |
| Sensing Mode (Detailed) | Receiver |
| Housing Style | Barrel |
| Primary Housing Material | Nickel-Plated Brass |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 5000 |
| Outputs | NPN |
| Power Supply/Supply Voltage | 10-30 V dc |
| Connection | Pigtail QD |
| Quick Disconnect Type | M12 (Euro) |
| Sensing Beam | Visible Red LED |
| Operation | Light/Dark Operate |

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| Max Op. Temp. (°C) | 60 |
| Min Op. Temp. (°C) | -20 |
| Output response time (ms) | 0.625 ON/0.375 OFF |
| Special Feature: Intrinsically Safe | No |
| Special Feature: Remote Teach | No |
| Special Feature: Water Detection | No |
| IP Rating | IP67, IP68 |
| Sensing Beam Wavelength | 660 |
| Delay at Power-up (ms) | 100 |
| Repeatability (µs) | 85 |
| Number of Pins | 4 |
| NEMA Rating | NEMA 5, 6 and 1200 PSI Washdown |
| Max Op. Relative Humidity [%] | 90% @ 50°C |
| Lens Material | PMMA |
| Adjustments | Potentiometer |
| Barrel Diameter (mm) | 12 |
| Indicator | LEDs |
| Opposed Mode Emitter/Receiver | Receiver |
| Feature: Washdown Rated | Yes |
| Feature: Timing (Hold/Delay) | No |
| Feature: Encapsulated | Yes |
| Feature: Hazardous Area | No |
| Feature: Audible | No |

RECOMMENDED PRODUCTS

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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|  | <p>SMBQS12PD</p> <p>Bracket: 12 mm Nose-mount; 16 gauge stainless steel</p> |
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|  | <p>SMB12MM</p> <p>Bracket: Right Angle for 12mm threads; Material: 12 Gauge Stainless Steel; (+/-) 10 lateral movement ; Holes accommodate #8 hardware</p> |
|  | <p>SMB12FA</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for; most 12 mm barrel mount sensors; lights; and brackets; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p> |
|  | <p>SMB12FAM10</p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for; most 12 mm barrel mount sensors; lights; and brackets; Includes M10-1.5 X 50 mm Socket Head Cap Screw (SHCS)</p> |



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