



Q3XTBLD-Q8

► Q3X SERIES LASER CONTRAST SENSOR



Q3XT Series: Laser Diffuse

Range: 300 mm; Input: 10-30 V dc

Outputs: Bipolar: 1 NPN; 1 PNP

Connection: Euro M12 5-pin Integral Connector

Part Number: 91638

CERTIFICATIONS



SPECIFICATIONS




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| Sensing Mode (General) | Proximity |
| Sensing Mode (Detailed) | Diffuse/Background Suppression |
| Housing Style | Rectangular w/M18 Mount |
| Primary Housing Material | Nickel-Plated |
| Laser Classification | Class 2 |
| Input/Output | Discrete |
| Max Sensing Range (mm) | 300 |
| Outputs | Bipolar (NPN & PNP) |
| Power Supply/Supply Voltage | 10-30 V dc |





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| Connection | Integral QD |
| Quick Disconnect Type | M12 (Euro) |
| Sensing Beam | Laser |
| Operation | Light/Dark Operate |
| Max Op. Temp. (°C) | 50 |
| Min Op. Temp. (°C) | -10 |
| Output response time (ms) | 0.25 |
| Special Feature: Intrinsically Safe | No |
| Special Feature: Remote Teach | Yes |
| Special Feature: Water Detection | No |
| IP Rating | IP67, IP68, IP69K |
| Sensing Beam Wavelength | 655 |
| Delay at Power-up (ms) | 1000 |
| Repeatability (µs) | 60 |
| Number of Pins | 5 |
| NEMA Rating | N/A |
| Max Op. Relative Humidity [%] | 95 % @ 55°C |
| Lens Material | Acrylic |
| Adjustments | Teach Button |
| Barrel Diameter (mm) | 18 |
| Indicator | LEDs |
| Opposed Mode Emitter/Receiver | N/A |
| Feature: Washdown Rated | Yes |
| Feature: Timing (Hold/Delay) | Yes |
| Feature: Encapsulated | No |
| Feature: Hazardous Area | No |
| Feature: Audible | No |

RECOMMENDED PRODUCTS**SINGLE ENDED CORDSETS**

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|  | <p>MQDC1-501.5</p> <p>Euro-style Quick Disconnect Cable; 5-pin Straight Connector; 0.5 m (1.5 ft) in Length; Chrome plated Brass Coupling Nut</p> |
|  | <p>MQDC1-506</p> <p>Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 2 m (6.5 ft) in Length; Chrome plated brass coupling nut</p> |
|  | <p>MQDC1-515</p> <p>Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 5 m (15 ft) in Length; Chrome plated brass coupling nut</p> |
|  | <p>MQDC1-530</p> <p>Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 9 m (30 ft) in Length; Chrome plated brass coupling nut</p> |
|  | <p>MQDC1-506RA</p> <p>Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDC1-515RA</p> <p>Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 5 m (15 ft) in Length; Chrome-plated brass coupling nut</p> |
|  | <p>MQDC1-530RA</p> <p>Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 9 m (30 ft) in Length; Chrome-plated brass coupling nut</p> |

ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES

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|  | <p>SMBQ4XFA</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p> |
|  | <p>SMBQ4XFAM10</p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems; for: Q4X, QS18, QS30; Includes M10-1.5 X 50 mm; Socket Head Cap Screw (SHCS)</p> |
|  | <p>SMBQ4XFAM12</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; No Socket Head Cap Screw (SHCS) included</p> |

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|  | <p>SMB18FA</p> <p>Bracket: Kit for 12 mm (1/2 in.) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes 3/8-16 X 2 in. Socket Head Cap Screw (SHCS)</p> |
|  | <p>SMB18FAM10</p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for; most 18 mm barrel mount sensors; lights; and brackets; Includes M10-1.5 X 50 mm Socket Head Cap Screw (SHCS)</p> |
|  | <p>SMB18FAM12</p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for; most 18 mm threaded barrel sensors; lights; and brackets; No Socket Head Cap Screw (SHCS) included</p> |
|  | <p>SMB18A</p> <p>Bracket: 18 mm Right Angle-mount; Material: 11 Gauge Stainless Steel; Curved mounting slot for versatility/orientation ; Clearance for M4 #8 hardware</p> |



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