

871P VersaCube™ 4-Wire DC

Weld Field Immune/Weld Slag Resistant Cube Style



871P DC WFI Micro
Quick-Disconnect Style



Specifications

| | |
|------------------------------------|-------------------------------------------------------------------------------------------|
| Load Current | ≤200mA |
| Inrush Current (1 cycle) | ≤2A |
| Leakage Current | ≤80μA |
| Operating Voltage | 10–30V DC |
| Voltage Drop | <2.5V |
| Repeatability | ≤5% |
| Hysteresis | 12% typical |
| Short Circuit Protection | Incorporated |
| Reverse Polarity Protection | Incorporated |
| Approvals | cULus and CE marked for all applicable directives |
| Enclosure | IP67 |
| Connections | 4-pin micro quick-disconnect style |
| LED | Green: Output energized; Orange: Target present |
| Operating Temperature | Shielded: -25°C to +70°C (-13°F to +158°F) Unshielded: -10°C to +70°C (14°F to +158°F) |
| Shock and Vibration | 5g, 30–55Hz per IEC 60947-5-2 |

Features

- New rugged housing
- Weld-slag resistant body and face
- Convenient mounting base
- Weld field immune
- Equal sensing capabilities
- Shielded or unshielded models
- 10–30V DC
- Complementary normally open and normally closed outputs

Correction Factors

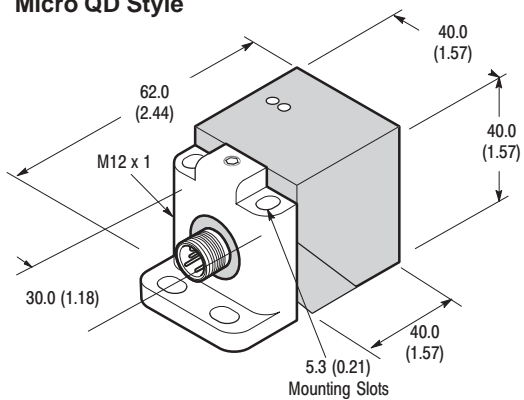
| Target Material | Correction Factor |
|-----------------|-------------------|
| Steel | 1.0 |
| Stainless Steel | 1.0 |
| Brass | 1.0 |
| Aluminum | 1.0 |
| Copper | 1.0 |

Product Selection

| Head Size | Weld Field Immune | Nominal Sensing Distance mm (inches) | Shielded | Output Configuration | Switching Frequency (Hz) | Catalog Number |
|---------------------------------------------------|-------------------|-----------------------------------------|----------|----------------------|--------------------------|------------------|
| 40mm | Y | 15 (0.59) | Y | N.O. and N.C. | 400 | 871P-MW15BP40LD4 |
| | | 35 (1.37) | N | | 200 | 871P-NW35BP40LD4 |
| Recommended Standard QD Cordset (-2 = 2m (6.5ft)) | | | | | | 889D-F4WE-2 |

Dimensions—mm (inches)

Micro QD Style



Wiring Diagram

Complementary Normally Open and Normally Closed

PNP (Sourcing)

