

WKE Series Factor 1 Weld-Field Immune Inductive Proximity Sensors

M8 (8mm)



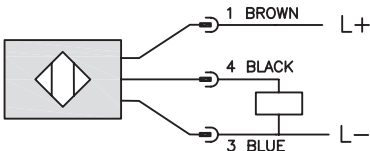
- Two models available
- Correction Factor (K-Factor) = 1
- Low cost/high performance
- Weld slag resistant coating
- Inductive sensor
- Metal thread M8 x 1 Connector
- Increased sensing range
- Gold-plated contacts
- Electromagnetic field immune
- Shielded and unshielded mounting
- Lifetime warranty



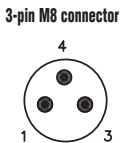
| WKE Series M8 Inductive Prox Selection Chart | | | | | | | | | |
|--|---------|---------------|------------|--------------|-------|-------------|---------------------------|-----------|------------|
| Part Number | Price | Sensing Range | Housing | Output State | Logic | Voltage | Connection | Wiring | Dimensions |
| WKE-AP-3F | \$27.00 | 3mm (0.12 in) | Shielded | NO | PNP | 10 - 30 VDC | 3-pin M8 quick disconnect | Diagram 1 | Figure 1 |
| WKE-AP-4F | \$27.00 | 6mm (0.24 in) | Unshielded | | | | | | |

Wiring Diagrams

Diagram 1



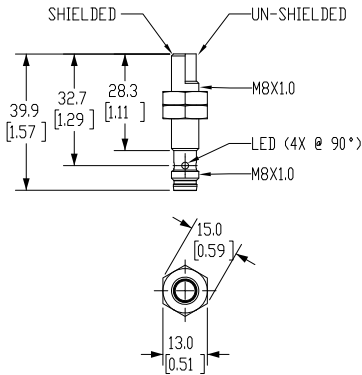
Connector



Dimensions

mm [inches]

Figure 1



WKE Series Factor 1 Weld-Field Immune Inductive Proximity Sensors

| Specifications | M8 | |
|--|--|---------------|
| Models | WKE-AP-3F | WKE-AP-4F |
| Mounting Type | Shielded | Unshielded |
| Nominal Sensing Distance (mm) | 3mm (0.12 in) | 6mm (0.24 in) |
| Operating Distance | 0 - 2.43 mm | 0 - 4.86 mm |
| Material Correction Factors | Correction Factor (K-Factor) = 1 | |
| Output Type | NO | |
| Operating Voltage | 10 to 30 VDC | |
| No-load Supply Current | < 20 mA | |
| Operating (Load) Current | 100 mA | |
| Off-state Leakage Current | NA | |
| Voltage Drop | < 2.5 V | |
| Switching Frequency | 2000Hz | |
| Differential Travel (% of Nominal Distance) | 3 - 15 | |
| Repeat Accuracy | NA | |
| Ripple | NA | |
| Time Delay Before Availability (tv) | NA | |
| Short Circuit Protection | Yes | |
| Operating Temperature | -40 — 85 °C [-40 — 185 °F] | |
| Protection Degree (DIN 40 050) | IP65 / IP66 / IP67 / IP68 / IP69K | |
| LED Indicators | Illuminated when energized | |
| Housing Material | Stainless steel with anti-spatter ceramic (Polytetrafluoroethylene [PTFE]) coating; LED window: Polyetherimide (PEI) | |
| Sensing Face Material | active face: Liquid Crystal Polymer (LCP) black | |
| Shock/Vibration | See Proximity Sensor Terminology | |
| Weight | 0.017 kg | 0.016 kg |
| Connection | 3-pin M8 quick disconnect | |
| Agency Approvals | cULus E328811, CE | |