## WKE Series Factor 1 Weld-Field Immune Inductive Proximity Sensors



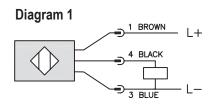
### M8 (8mm)

- 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
- Flush and Non-flush mounting
- Lifetime warranty



WKE Series M8 Inductive Proximity Selection Chart									
Part Number	Price	Sensing Range	Mounting	Output State	Logic	Voltage	Connection	Wiring	Dimensions
WKE-AP-3F	\$32.00	3mm [0.12 in]	Flush	N.O.	PNP	10 - 30 VDC	3-pin M8	Diagram 1	Figure 1
WKE-AP-4F	\$32.00	6mm [0.24 in]	Non-flush				quick-disconnect		

### **Wiring Diagrams**

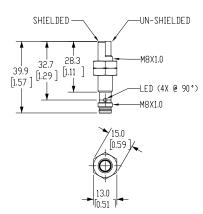




#### **Dimensions**

mm [inches]

Figure 1



# WKE Series Factor 1 Weld-Field Immune Inductive Proximity Sensors

WKE Series M8 Inductive Proximity Specifications								
Models	WKE-AP-3F	WKE-AP-4F						
Mounting Type	Flush	Non-flush						
Nominal Sensing Distance	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	N.O.							
Operating Voltage	10 to 30 VDC							
No-load Supply Current	< 20mA							
Operating (Load) Current	100mA							
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 to 85°C [-40 to 185°F]							
Protection Degree (DIN 40050)	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							

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.