

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

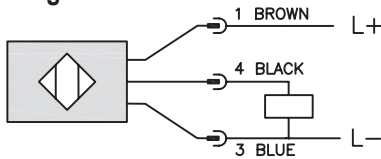


WKE Series M8 Inductive Proximity Selection Chart

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 quick-disconnect	Diagram 1	Figure 1
WKE-AP-4F	\$32.00	6mm [0.24 in]	Non-flush						

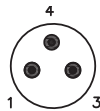
Wiring Diagrams

Diagram 1



Connector

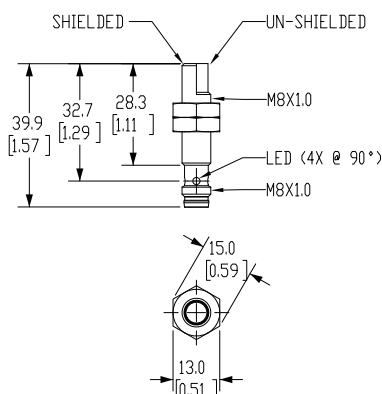
3-pin M8 connector



Dimensions

mm [inches]

Figure 1



WKE Series Factor 1 Weld-Field Immune Inductive Proximity Sensors

WKE Series M8 Inductive Proximity Specifications		
Models	<u>WKE-AP-3F</u>	<u>WKE-AP-4F</u>
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.