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



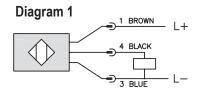
## M30 (30mm)

- Correction Factor (K-Factor) = 1
- Low cost/high performance
- Weld slag resistant coating
- Inductive sensor
- Metal thread M12 x 1 Connector
- Increased sensing range
- · Gold-plated contacts
- Electromagnetic field immune
- · Flush mounting
- · Lifetime warranty



WKT Series M30 Inductive Proximity Selection Chart										
Part Number	Price	Sensing Range	Mounting	Output State	Logic	Voltage	Connection	Wiring	Dimensions	
WKT-AP-3H	\$45.00	15 mm [0.59 mm]	Flush	N.O.	PNP	10 - 30 VDC	4-pin M12 quick-disconnect	Diagram 1	Figure 1	

## **Wiring Diagrams**



#### Connector

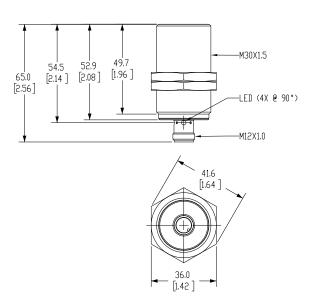
4-pin M12 connector



### **Dimensions**

mm [inches]

Figure 1



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

WKT Series M30 Inductive Proximity Specifications							
Model	WKT-AP-3H						
Mounting Type	Flush						
Nominal Sensing Distance	15mm [0.59 in]						
Operating Distance	0-12.15 mm [0-0.49 in]						
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	Brass 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	0.112 kg [0.247 lb]						
Connection	4-pin M12 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.