WKT Series Factor 1 Weld-Field Immune Inductive Proximity Sensors



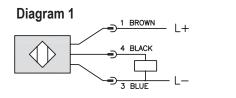
M30 (30mm)

- 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
<u>WKT-AP-3H</u>	\$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

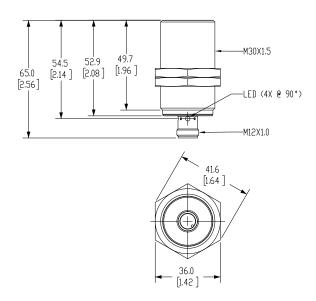




Dimensions

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.