KST Series Factor 1 Inductive Proximity Sensors



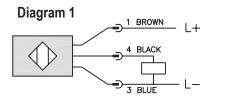
M30 (30mm)

- Correction Factor (K-Factor) = 1
- Low cost/high performanceInductive sensor
- Metal thread M12 x 1 Connector
- Increased sensing range
- Gold-plated contacts
- Electromagnetic field immune
- Flush and Non-flush mounting
- Lifetime warranty



KST Series M30 Inductive Proximity Selection Chart									
Part Number	Price	Sensing Range	Mounting	Output State	Logic	Voltage	Connection	Wiring	Dimensions
KST6-AP-3H	\$41.50	15mm [0.59 in]	Flush	N.O.	PNP	10 - 30 VDC	4-pin M12 quick-disconnect	Diagram 1	Figure 1
KST-AP-3H	\$41.50	15mm [0.59 in]	Flush						Figure 2
KST-AP-4H	\$41.50	30mm [1.18 in]	Non-flush						

Wiring Diagrams





Dimensions

mm [inches]



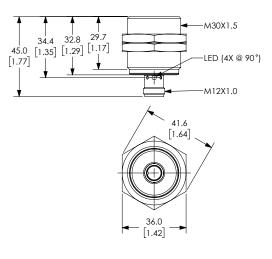
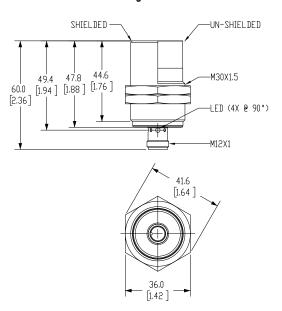


Figure 2



KST Series Factor 1 Inductive Proximity Sensors

KST Series M30 Inductive Proximity Specifications							
Models	<u>KST6-AP-3H</u>	<u>KST-AP-3H</u>	<u>KST-AP-4H</u>				
Mounting Type	Flu	Non-flush					
Nominal Sensing Distance	15mm [30mm [1.18 in]					
Operating Distance	0 - 12.	0 - 24.30 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 [316L]; LED window: Polyetherimide [PEI]						
Sensing Face Material	active face: Liquid Crystal Polymer [LCP] white						
Shock/Vibration	See Proximity Sensor Terminology						
Weight	0.077 kg	0.093 kg	0.08 kg				
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.