# KSE Series Factor 1 Inductive Proximity Sensors

## M8 (8mm)



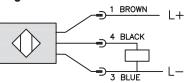
- Correction Factor (K-Factor) = 1
- Low cost/high performance
- 40mm housing length
- Inductive sensorMetal thread M8 x 1 Connector
- Increased sensing range
- Gold-plated contacts
- Electromagnetic field immuneFlush and Non-flush mounting
- Lifetime warranty



KSE Series M8 Inductive Proximity Selection Chart									
Part Number	Price	Sensing Range	Mounting	Output State	Logic	Voltage	Connection	Wiring	Dimensions
KSE-AP-3F	\$28.50	3mm [0.11 in]	Flush	N.O.	PNP	10-30 VDC	3-pin M8		Figure 1
KSE-AP-4F	\$28.50	6mm [0.24 in]	Non-flush				quick- disconnect	Diagram 1	

## Wiring Diagrams

#### **Diagram 1**



#### Connector

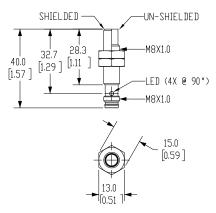




### Dimensions

mm [inches]

#### Figure 1



## 1-800-633-0405 KSE Series Factor 1 Inductive Proximity Sensors

KSE Series M8 Inductive Proximity Specifications							
Model	<u>KSE-AP-3F</u>	<u>KSE-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	< 20 mA						
Operating (Load) Current	100 mA						
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	0.017 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.