

KSE Series Factor 1 Inductive Proximity Sensors

M8 (8mm)



- 2 models available
- Correction Factor (K-Factor) = 1
- Low cost/high performance
- 40mm housing length
- Inductive sensor
- Metal thread M8 x 1 Connector

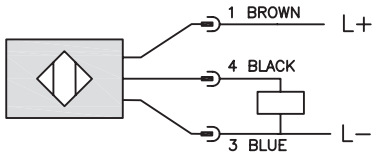
- Increased sensing range
- Gold-plated contacts
- Electromagnetic field immune
- Shielded and unshielded mounting
- Lifetime warranty



KSE Series M8 Inductive Prox Selection Chart									
Part Number	Price	Sensing Range	Housing	Output State	Logic	Voltage	Connection	Wiring	Dimensions
KSE-AP-3F	\$24.00	3mm (0.11 in)	Shielded	NO	PNP	10-30 VDC	3-pin M8 quick disconnect	Diagram 1	Figure 1
KSE-AP-4F	\$24.00	6mm (0.24 in)	Unshielded						

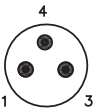
Wiring Diagrams

Diagram 1



Connector

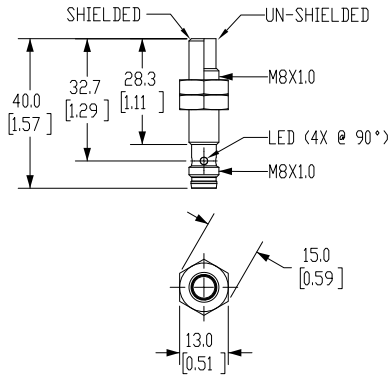
M8 connector



Dimensions

mm [inches]

Figure 1



KSE Series Factor 1 Inductive Proximity Sensors

Specifications	M8 Models	
Model	KSE-AP-3F	KSE-AP-4F
Mounting Type	Shielded	Unshielded
Nominal Sensing Distance (mm)	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	NO	
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 — 85 °C [-40 — 185 °F]	
Protection Degree (DIN 40 050)	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	