KSE Series Factor 1 Inductive Proximity Sensors

M8 (8mm)

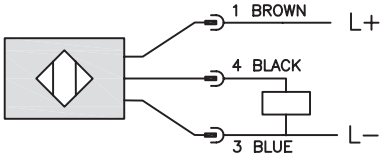
- Correction Factor (K-Factor) = 1
- Low cost/high performance
- 40mm housing length
- Inductive sensor
- Metal thread M8 x 1 Connector
- Increased sensing range
- Gold-plated contacts
- Electromagnetic field immune
- Flush and Non-flush mounting
- Lifetime warranty

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 quick-disconnect	Diagram 1	Figure 1
KSE-AP-4F	$28.50	6mm [0.24 in]	Non-flush						

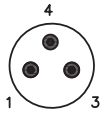
Wiring Diagrams

Diagram 1



Connector

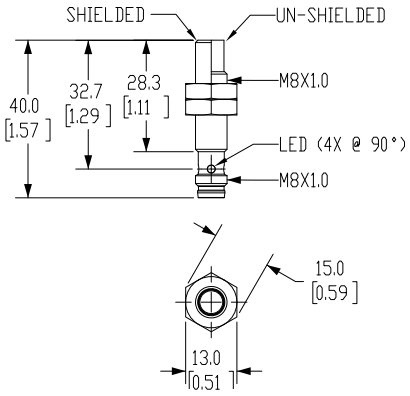
M8 connector



Dimensions

mm [inches]

Figure 1



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KSE Series M8 Inductive Proximity Specifications		
Model	***KSE-AP-3F***	***KSE-AP-4F***
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.