

WSE Series Weld-Field Immune Inductive Proximity Sensors

M8 (8mm)



- Four models available
- Low cost/high performance
- Weld slag resistant coating
- Inductive sensor
- Full metal housing
- Increased sensing range
- Gold-plated contacts
- Shielded mounting
- Lifetime warranty



WSE Series M8 Inductive Prox Selection Chart									
Part Number	Price	Sensing Range	Housing	Output State	Logic	Voltage	Connection	Wiring	Dimensions
WSE-AP-3H	\$43.00	2mm (0.08 in)	Shielded	NO	PNP	10 - 36 VDC	4-pin M12 quick disconnect	Diagram 1	Figure 1
WSE-AN-3H	\$46.00				NPN		4-pin M12 quick disconnect	Diagram 2	
WSE-A0-3E	\$46.00				PNP/NPN		4-pin M12 with 0.3 m cable	Diagram 3	Figure 2
WSE-A0-3A	\$46.00						3m axial cable	Diagram 4	

Wiring Diagrams

Diagram 1

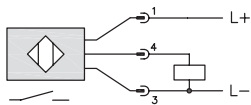


Diagram 2

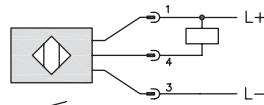


Diagram 3

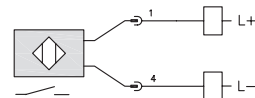
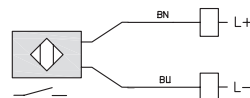


Diagram 4



Connector

4-pin M12



4-pin M12 0.3m



Dimensions

mm [inches]

Figure 1

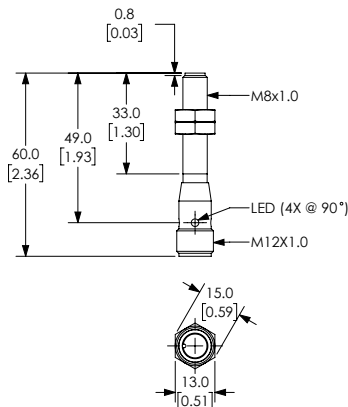
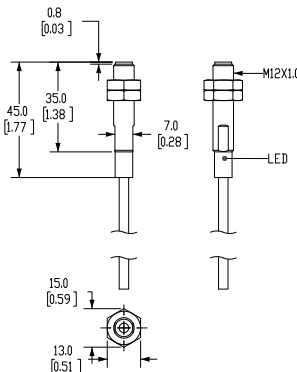


Figure 2



WSE Series Weld-Field Immune Inductive Proximity Sensors

Specifications	M8 Models			
Model	<i>WSE-AP-3H</i>	<i>WSE-AN-3H</i>	<i>WSE-A0-3E</i>	<i>WSE-A0-3A</i>
Mounting Type	Shielded			
Nominal Sensing Distance (mm)	2mm (0.08 in)			
Operating Distance	0 - 1.6 mm			
Material Correction Factors	See the Material Influence table			
Output Type	NO			
Operating Voltage	10 to 36 VDC			
No-load Supply Current	<20 mA		NA	
Operating (Load) Current	100mA			
Off-state Leakage Current	NA		<0.75 mA	
Voltage Drop	< 2.5 V			
Switching Frequency	100Hz		150Hz	
Differential Travel (% of Nominal Distance)	1-15	1-20		
Repeat Accuracy	NA			
Ripple	NA			
Time Delay Before Availability (tv)	NA			
Short Circuit Protection	Yes			
Operating Temperature	0 — 85°C [32 — 185°F]		-25 — 70°C [-13 — 158°F]	
Protection Degree (DIN 40 050)	IP67 / IP68		IP67	
LED Indicators	Illuminated when energized			
Housing Material	Stainless steel 316L / 1.4404 with anti-spatter ceramic (Polytetrafluoroethylene [PTFE]) coating			
Sensing Face Material	active face: stainless steel 316L 1.4404 anti-spatter			
Shock/Vibration	See Proximity Sensor Terminology			
Weight	0.021 kg	0.021 kg	0.035 kg	0.070 kg
Connection	4-pin M12 quick disconnect		PUR cable / 0.3m; 2x0.5 mm ² ; with 4-pin M12 quick disconnect	PUR cable / 3m; 2x0.5 mm ²
Agency Approvals	cULus E328811, CE			