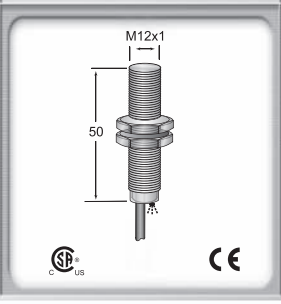
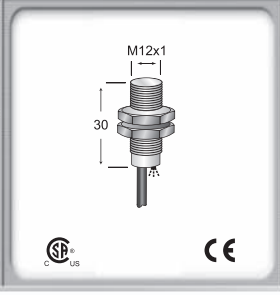
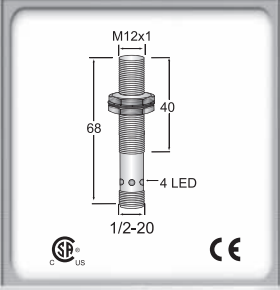
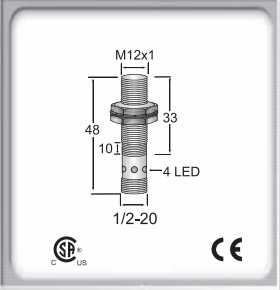
Metal Head™ - M12

	M12	M12	M12	M12
Sensing Distance	2mm		2mm	
Extended Sensing Distance	**4mm**		**4mm**	
Operating Voltage	20-250 VAC, 50-60 Hz; 10-30 VDC		20-250 VAC, 50-60 Hz; 10-30 VDC	
Ripple	DC Ripple <10%		DC Ripple <10%	
No Load Current	<2.5mA		<2.5mA	
Max. Load Current	100mA		100mA	
Leakage Current	<2.5mA		<2.5mA	
Surge Current	2.2A for 20ms		2.2A for 20ms	
Min. Load Current	5mA		5mA	
Voltage Drop	<=10 VAC; <=8 VDC		<=10 VAC; <=8 VDC	
Switching Frequency	25 Hz AC; 40 Hz DC		25 Hz AC; 40 Hz DC	
Response Time	10ms/10msms		10ms/10msms	
Switching Hysteresis	<15% (Sr)		<15% (Sr)	
Repeat Accuracy	<1.0% (Sr)		<1.0% (Sr)	
Protection Category	IP67		IP67	
Operating Temperature	-25°C - +70°C		-25°C - +70°C	
Temperature Drift	<10% (Sr)		<10% (Sr)	
Short Circuit Protection	Yes		Yes	
Overload Trip Point	-		-	
Time Delay Before Availability	-		-	
Shock / Vibration	IEC 60947-5-2, Part 7.4.1 & 7.4.2		IEC 60947-5-2, Part 7.4.1 & 7.4.2	
Material Active Face	Stainless Steel (0.5mm)		Stainless Steel (0.5mm)	
Housing Material	Stainless Steel		Stainless Steel	
Part Numbers	Shielded	Shielded	Shielded	Shielded
AC/DC 2 wire 20-250V, N.O.	FCS1-1202U-A3U2	FCS1-1202U-A3S2	FCS1-1202U-AUU3	FCS1-1202U-AUS3
AC/DC 2 wire 20-250V. N.C	FCS1-1202U-B3U2	FCS1-1202U-B3S2	FCS1-1202U-BUU3	FCS1-1202U-BUS3
Extended Range.				
AC/DC 2 wire 20-250V, N.O.	ECS1-1204U-A3U2	ECS1-1204U-A3S2	ECS1-1204U-AUU3	ECS1-1204U-AUS3
AC/DC 2 wire 20-250V. N.C	ECS1-1204U-B3U2	ECS1-1204U-B3S2	ECS1-1204U-BUU3	ECS1-1204U-BUS3
Diagrams (units in mm)		Short Body		Short Body