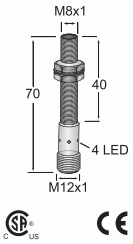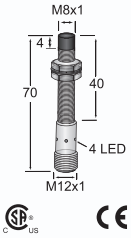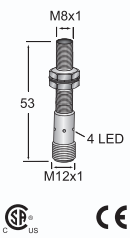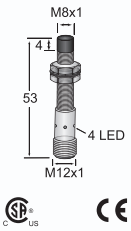	M8	M8	M8	M8
Sensing Distance	2 mm	4 mm	2 mm	4 mm
Operating Voltage	10-30VDC			
Ripple	<10%			
No Load Current	<10mA			
Max. Load Current	200mA			
Leakage Current	<0.01mA			
Surge Current	-			
Min. Load Current	-			
Voltage Drop	<1.5V			
Switching Frequency	2 KHz	1 KHz	2 KHz	1 KHz
Response Time	0.1ms/0.1ms	0.2ms/0.2ms	0.1ms/0.1ms	0.2ms/0.2ms
Switching Hysteresis	<15% (Sr)			
Repeat Accuracy	<1.0% (Sr)			
Protection Category	IP67			
Operating Temperature	-25°C - +70°C			
Temperature Drift	<10% (Sr)			
Short Circuit Protection	Yes			
Overload Trip Point	220mA			
Time Delay Before Availability	<10ms			
Shock / Vibration	IEC 60947-5-2, Part 7.4.1 & 7.4.2			
Material Active Face	POM			
Housing Material	Chrome-plated Brass			
Part Numbers	Shielded	Unshielded	Shielded	Unshielded
DC 3 wire 10-30V NPN N.O.	ECM1-0802N-ARU4	ECM2-0804N-ARU4	ECM1-0802N-ARS4	ECM2-0804N-ARS4
DC 3 wire 10-30V NPN N.C.	ECM1-0802N-BRU4	ECM2-0804N-BRU4	ECM1-0802N-BRS4	ECM2-0804N-BRS4
DC 3 wire 10-30V PNP N.O.	ECM1-0802P-ARU4	ECM2-0804P-ARU4	ECM1-0802P-ARS4	ECM2-0804P-ARS4
DC 3 wire 10-30V PNP N.C.	ECM1-0802P-BRU4	ECM2-0804P-BRU4	ECM1-0802P-BRS4	ECM2-0804P-BRS4
Diagrams (units in mm)