



## PROXIMITY SENSORS SELECTION GUIDE

FEATURE #	1	2	3	4	5	6	7	8	9	10	11	12
MODEL #	F	C	M	1	12	02	N	A	3	U	2	-S
DASH LOCATION:												
CONFIGURED PART #	FCM1-1202N-A3U2-S											
1 - TYPE	<b>F:</b> Inductive / <b>C:</b> Capacitive / <b>L:</b> Long Range / <b>E:</b> Extended Range / <b>I:</b> 5-36 VDC <b>W:</b> Weld Field Immune / <b>T:</b> High Temperature (-25 °C - +100 °C) <b>O:</b> OCN Series (Extended Range w/ Wrench Flats) / <b>H:</b> Extended High Voltage (10-55 VDC)											
2 - HOUSINGS	<b>C:</b> Cylindrical / <b>Q:</b> Square											
3 - HOUSING MATERIAL	<b>M:</b> Chrome Plated Brass / <b>U:</b> Stainless Steel / <b>P:</b> Plastic <b>S:</b> Stainless Steel Face/Body - 1-piece / <b>N:</b> Chrome-plated Brass with Durable Wrench Flats (M8 diameter sensors are always stainless steel in this series)											
4 - MOUNTING	<b>1:</b> Shielded / <b>2:</b> Non-Shielded											
5 - HOUSING STYLE (mm)	Numeral Only: Threaded Body Diameter / D + Number: Smooth Body Diameter (No Thread)											
6 - SENSING DISTANCE	Range in millimeters (e.g. 02 = 2 mm range)											
7 - OUTPUT FUNCTION	<b>N:</b> NPN = (DC VOLTAGE) / <b>P:</b> PNP = (DC VOLTAGE) / <b>A:</b> 20-250 VAC / <b>C:</b> DC 2-Wire / <b>G:</b> Analog / <b>U:</b> AC/DC											
8 - OUTPUT	<b>A:</b> Normally Open / <b>B:</b> Normally Closed / <b>S:</b> Changeover (NO and NC) <b>C:</b> AC or AC/DC (NO or NC selectable) / <b>V:</b> Voltage Output (0-10 VDC) / <b>I:</b> Current Output (0-20 mA)											
9 - CONNECTION	<b>PRE-WIRED – 2:</b> 2-Wire / <b>3:</b> 3-Wire / <b>4:</b> 4-Wire / <b>5:</b> 5-Wire <b>QUICK-DISCONNECT – C:</b> 8 mm Pico Series / <b>R:</b> 12 mm Micro Series / <b>B:</b> 4-pin Micro AC <b>U:</b> 3-pin Micro AC / <b>Z:</b> Mini											
10 - PROTECTION	<b>S:</b> Short Body, Short Circuit Protected / <b>L:</b> No Short Circuit Protection (AC) <b>U:</b> Short Circuit Protected / <b>L:</b> (OCN Series only means Long Body, Short Circuit Protect)											
11 - CABLE LENGTH OR NO. OF CONNECTOR PINS	<b>CABLE TYPES: 2:</b> 2 m / <b>5:</b> 5 m <b>CONNECTOR TYPES: 2:</b> 2-pin / <b>3:</b> 3-pin / <b>4:</b> 4-pin / <b>5:</b> 5-pin <b>PIGTAILED TYPES: 0.3/P8:</b> 3-pin, 0.3 m Cable Length, M8 Pico Connector <b>0.3/P12:</b> 4-pin, 0.3 m Cable Length, M12 Micro Connector <b>0.3/P½-20:</b> 0.3 m Cable Length, M12 AC Micro Connector <b>Note:</b> Cables can be any custom length (i.e. 1/P8 = 1 m length, 2/P12 = 2 m length)											
12 - OTHER/SPECIAL INFORMATION	<b>/S010:</b> DC 2-Wire, pins 1 and 4 pin configuration <b>-S:</b> Factory Pre-Installed Silicone Tubing over pre-wired or pigtail unit <b>/8mm:</b> for rectangular flatpacks, 8 mm thick instead of standard 10 mm <b>-WD:</b> Weld Duty Cable ... <b>-HD:</b> Heavy Duty Cable <b>-100C-316:</b> 100 °C high temperature rating, 1-piece Stainless Steel <b>-PTFE:</b> PTFE coating to repel weld spatter <b>-PTFE-100C:</b> PTFE coating to repel weld spatter and 100 °C high temperature rating <b>-PTFE-120C-WFI:</b> PTFE coating to repel weld spatter, 120 °C high temperature rating, Weld Field Immune <b>-PTFE-120C-WFI-TC4:</b> PTFE coating to repel weld spatter, 120 °C high temperature rating, Weld Field Immune, 1-piece Titanium											

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