



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

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