









Proximity Sensors Quick Reference Guide

Family	Overview	Key Features	Package Style	Sensing Ranges	Operating Voltage	Current Rating	Enclosure Ratings	Construction	Approvals
 <p>iProx Series</p>	Designed to be the highest performing sensor at a reasonable price. Standard features include extended sensing ranges, high noise-immunity, extreme durability and includes Autoconfigure Technology	<ul style="list-style-type: none"> Automatically detects a sinking (NPN) or sourcing (PNP) ProxView configuration software for easy sensor customization Clone the sensor to match more than 4,800 competitive models Advanced features like dual outputs, delays, and speed detection Resistant to extreme temperatures (-40°C) Complementary (1NO/1NC) outputs available 	Tubular – 12, 18 and 30 mm	4 to 29 mm	<ul style="list-style-type: none"> AC-only: 20 - 132V DC-only: 6 - 8V 	AC: 250 – 500 mA DC: 300 – 500 mA	NEMA 4, 4X, 6, 6P, 12, 13 IEC — IP67	Stainless steel	C-UL Listed
 <p>E57 Premium+ Series</p>	High performance inductive sensors include stainless steel models, extended ranges and right-angle sensing	<ul style="list-style-type: none"> 12, 18 and 30 mm diameters 2-wire and 3-wire AC and DC sensors AC/DC models operate on 20 – 250V AC or DC 360° LED indicators standard Available in short body models 	Tubular – 12, 18 and 30 mm	2 to 22 mm	<ul style="list-style-type: none"> AC/DC: 40 - 250V AC, 20 - 250V DC AC-only: 20 - 250V DC-only: 6 - 48V 	AC: 250 – 500 mA DC: 200 mA	NEMA 4, 4X, 6, 6P, 12, 13 IEC — IP67	Stainless steel	C-UL Listed CE (on some models)
 <p>Global Series</p>	This full-line, tubular proximity sensor family provides a cost-effective solution for high volume OEM use	<ul style="list-style-type: none"> 8, 12, 18 and 30 mm diameters 2-wire sensors available in AC or DC versions 3-wire sensors available in DC versions Shielded and unshielded models 	Tubular – 8, 12, 18 and 30 mm	2 to 29 mm	<ul style="list-style-type: none"> AC-only: 20 - 250V DC-only: 10-30V 	AC: 200 mA DC: 100 mA	IP67	Nickel plated brass	CE (DC models only) cCSAus
 <p>AccuProx Analog Series</p>	The AccuProx™ sensor features analog outputs that change linearly as the target moves closer or further from the sensor face.	<ul style="list-style-type: none"> Extended linear sensing range of up to 25 millimeters Outputs available in current (4 – 20, 0 – 20 mA), voltage (0 – 10 V) High output resolution and repeatability For applications requiring precision analog sensing performance 	Tubular – 12, 18 and 30 mm	0.5 to 25 mm	<ul style="list-style-type: none"> DC-only: 15 - 30V 	Analog: 0 – 10V DC, 0 – 20 mA, 4 – 20 mA	NEMA 4, 4X, 6, 6P, 13	Stainless steel	C-UL Listed
 <p>Small Diameter Series</p>	Small diameter and short body (4, 5, 6.5 and 8 mm) tubular housings for tight sensing applications	<ul style="list-style-type: none"> Variety of diameters in stainless steel housings PVC cable, micro- and nano-pin connections LED indicators standard Short overall lengths Short circuit and reverse polarity protection 	Tubular – 4.5, 5, 6, and 8 mm	0.8 to 2 mm	<ul style="list-style-type: none"> DC-only: 10 - 30V 	DC: 200 mA	NEMA 4, 4X, 6, 6P, 12, 13 IEC — IP67	Stainless steel	CE
 <p>E51 Series</p>	Modular design allows maximum use of inventories in these Limit Switch style housings. Solid-state circuitry in a variety of sensing ranges	<ul style="list-style-type: none"> Modular heads, switch bodies, receptacles Shielded or unshielded sensing ranges Solid-state electronics Viton gasket seals LED indicators for power and output status 	Limit Switch Style	13 to 24 mm	<ul style="list-style-type: none"> AC/DC: 20-264V AC-only: 120V DC-only: 10 - 30V 	AC: 1 ampere continuous DC: 0.6 ampere continuous	NEMA 3, 3S, 4, 4X, 6, 6P, 12, 13 IEC — IP67	Die Cast Zinc Gasket Material — Viton	UL Listed CSA Certified CE (most models)
 <p>E56 Pancake Series</p>	Self-contained sensors capable of sensing up to 3.94 inches (100 mm)	<ul style="list-style-type: none"> 40, 50, 70 and 100 mm sensing distances 4-wire DC models have complementary outputs (1 N.O. / 1 N.C.) 4-wire DC models automatically adapt for NPN or PNP Available in 2-wire AC/DC versions 	Pancake Style – Small (79 mm), Medium (110 mm) and Large (172 mm)	40 to 100 mm	<ul style="list-style-type: none"> AC/DC: 20-250V AC, 20-60V DC DC-only: 10- 42V 	AC: 500 mA continuous DC: 200 mA continuous	NEMA 4, 4X, 12, 13 IEC — IP66 (some models also rated NEMA 6)	PPS	--
 <p>Capacitive Series</p>	These self-contained devices will detect both metallic and nonmetallic targets. A threaded housing provides ease of mounting. For food processing applications, smooth body versions are also available.	<ul style="list-style-type: none"> 18 and 30 mm diameters with threaded housing Shielded and unshielded sensing 2-wire AC — 20 to 250V 3-wire DC — 10 to 30V, NPN and PNP 	Tubular – 18, 30 and 34 mm	8 to 35 mm	<ul style="list-style-type: none"> AC-only: 20 - 250V DC-only: 10-30V 	AC: 300 mA DC: 300 mA	NEMA 1, 2, 3, 3S, 4, 12, 13 IP65	POM Nuts, Nylon 66	NEMA 1, 2, 3, 4, 4X, 6, 12 and 13