



E2E CYLINDRICAL INDUCTIVE PROXIMITY SENSORS SHORT LENGTH

Metal body Inductive Proximity Sensors in a wide range of configurations. **FEATURES:** Available in prewired or quick-disconnect versions. Quick-disconnect versions features metal connectors for durability (micro or nano change). Easy-to-see LED indicator. Flats for wrench tightening. Ideal for a wide variety of applications.

DC 3-WIRE/PLUG-IN MODELS

Cat. No.	Size	Sensing Distance	Output Configuration	Net Price
M12 CONNECTOR, SHIELDED TYPE				
E2E-X1R5E1-M1	M8	1.5mm	NPN NO	\$85.00
E2E-X1R5E2-M1			NPN NC	85.00
E2E-X1R5F1-M1			PNP NO	85.00
E2E-X1R5F2-M1			PNP NC	85.00
E2E-X2E1-M1	M12	2mm	NPN NO	85.00
E2E-X2E2-M1			NPN NC	85.00
E2E-X2F1-M1			PNP NO	85.00
E2E-X2F2-M1			PNP NC	85.00
E2E-X5E1-M1	M18	5mm	NPN NO	85.00
E2E-X5E2-M1			NPN NC	85.00
E2E-X5F1-M1			PNP NO	85.00
E2E-X5F2-M1			PNP NC	85.00
E2E-X10E1-M1	M30	10mm	NPN NO	85.00
E2E-X10E2-M1			NPN NC	85.00
E2E-X10F1-M1			PNP NO	85.00
E2E-X10F2-M1			PNP NC	85.00

M12 CONNECTOR, UNSHIELDED TYPE

E2E-X2ME1-M1	M8	2mm	NPN NO	85.00
E2E-X2ME2-M1			NPN NC	85.00
E2E-X2MF1-M1			PNP NO	85.00
E2E-X2MF2-M1			PNP NC	85.00
E2E-X5ME1-M1	M12	5mm	NPN NO	85.00
E2E-X5ME2-M1			NPN NC	85.00
E2E-X5MF1-M1			PNP NO	85.00
E2E-X5MF2-M1			PNP NC	85.00
E2E-X10ME1-M1	M18	10mm	NPN NO	85.00
E2E-X10ME2-M1			NPN NC	85.00
E2E-X10MF1-M1			PNP NO	85.00
E2E-X10MF2-M1			PNP NC	85.00
E2E-X18ME1-M1	M30	18mm	NPN NO	85.00
E2E-X18ME2-M1			NPN NC	85.00
E2E-X18MF1-M1			PNP NO	85.00
E2E-X18MF2-M1			PNP NC	85.00

DC-3-WIRE/PRE-WIRED MODELS

Cat. No.	Size	Sensing Distance	Output Configuration	Net Price
SHIELDED TYPE				
E2E-X1R5E1**	M8	1.5mm	NPN NO	\$80.00
E2E-X1R5E2			NPN NC	80.00
E2E-X1R5F1**			PNP NO	80.00
E2E-X1R5F2			PNP NC	80.00
E2E-X2E1**	M12	2mm	NPN NO	80.00
E2E-X2E2			NPN NC	80.00
E2E-X2F1**			PNP NO	80.00
E2E-X2F2			PNP NC	80.00
E2E-X5E1**	M18	5mm	NPN NO	80.00
E2E-X5E2			NPN NC	80.00
E2E-X5F1**			PNP NO	80.00
E2E-X5F2**			PNP NC	80.00
E2E-X10E1**	M30	10mm	NPN NO	80.00
E2E-X10E2			NPN NC	80.00
E2E-X10F1**			PNP NO	80.00
E2E-X10F2			PNP NC	80.00

UNSHIELDED TYPE

E2E-X2ME1**	M8	2mm	NPN NO	80.00
E2E-X2ME2			NPN NC	80.00
E2E-X2MF1**			PNP NO	80.00
E2E-X2MF2			PNP NC	80.00
E2E-X5ME1**	M12	5mm	NPN NO	80.00
E2E-X5ME2			NPN NC	80.00
E2E-X5MF1**			PNP NO	80.00
E2E-X5MF2			PNP NC	80.00
E2E-X10ME1**	M18	10mm	NPN NO	80.00
E2E-X10ME2			NPN NC	80.00
E2E-X10MF1**			PNP NO	80.00
E2E-X10MF2			PNP NC	80.00
E2E-X18ME1**	M30	18mm	NPN NO	80.00
E2E-X18ME2			NPN NC	80.00
E2E-X18MF1**			PNP NO	80.00
E2E-X18MF2			PNP NC	80.00

NOTE: *A different oscillating frequency is available to reduce mutual interference and allow closer mounting. Add a "5" to the Cat. No. (e.g., E2E-X5E15) Consult Electro Sonic for availability. **E2E DC-3-wire with a robotics cable are available as well. The Cat. No. of a model with a robotics cable add the suffix "-R" (e.g., E2E-X5E1-R).

AC 2-WIRE/PRE-WIRED MODELS

Cat. No.	Size	Sensing Distance	Output Configuration	Net Price
SHIELDED TYPE				
E2E-X2Y1-US*	M12	2mm	NO	\$109.00
E2E-X2Y2-US			NC	109.00
E2E-X5Y1-US*	M18	5mm	NO	109.00
E2E-X5Y2-US			NC	109.00
E2E-X10Y1-US*	M30	10mm	NO	109.00
E2E-X10Y2-US			NC	109.00
UNSHIELDED TYPE				
E2E-X5MY1-US*	M12	2mm	NO	109.00
E2E-X5MY2-US			NC	109.00
E2E-X10MY1-US*	M18	10mm	NO	109.00
E2E-X10MY2-US			NC	109.00
E2E-X18MY1-US*	M30	18mm	NO	109.00
E2E-X18MY2-US			NC	109.00

NOTE: *A different oscillating frequency is available to reduce mutual interference and allow closer mounting. Add a "5" to the Cat. No. (e.g., E2E-X5Y15-US). Consult Electro Sonic for Availability.



LIMIT SWITCH



RHINO™



FLAT PACK

LIMIT SWITCH AND FLAT PACK STYLE INDUCTIVE SENSORS

Replace mechanical limit switching with solid-state sensing and switching. **FEATURES:** Easy to install and replace mechanical limit switches. Multiple position head style for easy mounting. Dual LED status indicators for power and output. DC units short-circuit and reverse polarity protected. **SPECIFICATIONS:** Housing material: Crastin with metal base. Load current: DC (200mA max.), AC (8-500 mA). Dimensions: Limit Switches - (40mm W x 40mm H x 28mm L), Rhino - (40mm W x 40mm H x 67mm L), Flat Pack - (84mm x 84mm). Operating temperature: -25°C to +70°C (+85°C for Rhino). Sealed: IP67 (Flat-Pack), IP68 (Limit Switch), IP69K (Rhino).

Cat. No.	Sensing	Shielded	Output	Connection	Net Price
LIMIT SWITCH STYLE HOUSING, 10-60 VDC					
NJ20-U4-E2	20 mm	Yes	PNP N.O.	Terminal Conduit 1/2" NPT	\$168.00
NJ20-U4-A2	30 mm	No	PNP N.O. & N.C.		190.00
NJ30-U4-E2			PNP N.O.		180.00
NJ30-U4-A2			PNP N.O. & N.C.		196.00
LIMIT SWITCH STYLE HOUSING, 20-253 VAC					
NJ15-U4-W	15 mm	Yes	AC N.O. or N.C.	Terminal Conduit 1/2" NPT	209.00
NJ20-U4-W	20 mm	No			209.00
NJ30-U4-W	30 mm	No			237.00
COMPACT RHINO HOUSING, 10-30 VDC					
NBB20-L2M-E2-V1	20 mm	Yes	PNP N.O.	4-Pin Micro DC Connector	146.00
NBB20-L2M-A2-V1	40 mm	No	PNP N.O. & N.C.		159.00
NBN40-L2M-E2-V1			PNP N.O.		146.00
NBN40-L2M-A2-V1			PNP N.O. & N.C.		159.00
FLAT PACK STYLE HOUSING, 10-60 VDC					
NCB50-FP-E2-P4	50mm	Yes	PNP N.O.	Terminal Conduit 1/2" NPT	302.00
NCN50-FP-A2-P4	50mm	No	PNP N.O. & N.C.		311.00
FLAT PACK STYLE HOUSING, 20-253 VAC					
NCN50-FP-W-P4	50mm	No	AC N.O. or N.C.	Terminal Conduit 1/2" NPT	302.00

NOTE: NPN versions also available



NBB5-18GM50



NBB2-8GM40



NBB10-30GM50

CYLINDRICAL INDUCTIVE PROXIMITY SENSORS

FEATURES: 1/2 pint short body versions available with extended sensing ranges. High visibility 360° viewable output LED indicators.

SPECIFICATIONS: Housing material: Nickel-plated brass body, crastin sensing face. Operating temperature: -25°C to +70°C. Sealing: IP67.

STANDARD RANGE VERSIONS: All types shown are shielded (embeddable) with normally open output and micro connector. Unshielded, preleaded and/or normally closed options also available. For more information contact your Electro Sonic sales representative.

Cat. No.	Size	Sensing	Overall Length	Output	Net Price
DC 3-WIRE, 10-30 VDC SUPPLY, 4-PIN SINGLE KEY MICRO DC CONNECTOR					
NBB1.5-8GM40-E0-V1	M8	1.5mm	65mm	NPN N.O.	\$91.00
NBB1.5-8GM40-E2-V1			65mm	PNP N.O.	91.00
NBB2-12GM50-E0-V1	M12	2mm	65mm	NPN N.O.	73.00
NBB2-12GM50-E2-V1			65mm	PNP N.O.	73.00
NBB5-18GM50-E0-V1	M18	5mm	65mm	NPN N.O.	84.00
NBB5-18GM50-E2-V1			65mm	PNP N.O.	84.00
NBB10-30GM50-E0-V1	M30	10mm	65mm	NPN N.O.	104.00
NBB10-30GM50-E2-V1			65mm	PNP N.O.	104.00
AC 2-WIRE, 20-150 VAC, DUAL KEY MICRO AC CONNECTOR					
NBB2-12GM60-WS-V12	M12	2mm	70mm	2-wire AC N.O.	118.00
NBB5-18GM60-WS-V12	M18	5mm	70mm	2-wire AC N.O.	122.00
NBB10-30GM75-WS-V12	M30	10mm	75mm	2-wire AC N.O.	138.00

EXTENDED RANGE VERSIONS: All types shown are shielded (embeddable) with normally open output. Additional units available contact your Electro Sonic sales representative

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Cat. No.	Size	Sensing	Overall Length	Termination	Net Price
DC 3-WIRE, 10-30 VDC SUPPLY, NPN N.O.					
NBB2-8GM50-E0	M8	2mm	50mm	2m PVC Cable	\$99.00
NBB2-8GM40-E0-V1			65mm	4-Pin Micro DC Connector	99.00
NBB4-12GM50-E0	M12	4mm	50mm	2m PVC Cable	89.00
NBB4-12GM50-E0-V1			65mm	4-Pin Micro DC Connector	89.00
NBB8-18GM50-E0	M18	8mm	50mm	2m PVC Cable	105.00
NBB8-18GM50-E0-V1			65mm	4-Pin Micro DC Connector	105.00
NBB15-30GM50-E0	M30	15mm	50mm	2m PVC Cable	125.00
NBB15-30GM50-E0-V1			65mm	4-Pin Micro DC Connector	125.00
DC 3-WIRE, 10-30 VDC SUPPLY, PNP N.O.					
NBB2-8GM30-E2	M8	2mm	30mm*	2m PVC Cable	102.00
NBB2-8GM50-E2			50mm		99.00
NBB2-8GM30-E2-V1			55mm*	4-Pin Micro DC Connector	102.00
NBB2-8GM40-E2-V1			65mm		99.00
NBB4-12GM30-E2	M12	4mm	30mm*	2m PVC Cable	91.00
NBB4-12GM50-E2			50mm		89.00
NBB4-12GM30-E2-V1			45mm*	4-Pin Micro DC Connector	91.00
NBB4-12GM50-E2-V1			65mm		89.00
NBB8-18GM30-E2	M18	8mm	30mm*	2m PVC Cable	107.00
NBB8-18GM50-E2			50mm		105.00
NBB8-18GM30-E2-V1			45mm*	4-Pin Micro DC Connector	107.00
NBB8-18GM50-E2-V1			65mm		105.00
NBB15-30GM30-E2	M30	15mm	30mm*	2m PVC Cable	127.00
NBB15-30GM50-E2			50mm		125.00
NBB15-30GM30-E2-V1			45mm*	4-Pin Micro DC Connector	127.00
NBB15-30GM50-E2-V1			65mm		125.00

* 1/2 pint short housing style

EXTENDED RANGE VERSIONS: All types shown are shielded (embeddable) with normally open output. Additional units available contact your Electro Sonic sales representative

PILE DRIVER



PILE DRIVER ALL STAINLESS STEEL INDUCTIVE SENSORS

Pile Drivers 1-piece housing is machined from stainless steel stock and is designed for applications involving impact or abrasion. Able to withstand 1200 psi washdown and 150G of shock, Pile Driver outlasts traditional "plastic face" inductive sensors by a factor of 20 times. **FEATURES:** All stainless steel construction. Output LED indicators. 100% shielded and fully embeddable. Fully shielded and embeddable. **SPECIFICATIONS:** Housing material: 303 stainless steel. Operating temperature: -25°C to +70°C. Sealing: IP67/IP68

Cat. No.	Size	Sensing	Overall Length	Output	Net Price
DC 3-WIRE, 10-30 VDC SUPPLY, 4 PIN MICRO DC CONNECTOR					
NMB1.5-8GM50-E0-FE-V1	M8	1.5mm	50mm	NPN N.O.	\$139.00
NMB1.5-8GM50-E2-FE-V1				PNP N.O.	139.00
NMB2-12GM75-E0-FE-V1	M12	2mm	75mm	NPN N.O.	112.00
NMB2-12GM75-E2-FE-V1				PNP N.O.	112.00
NMB5-18GM65-E0-FE-V1	M18	5mm	65mm	NPN N.O.	124.00
NMB5-18GM65-E2-FE-V1				PNP N.O.	124.00
NMB8-30GM65-E0-FE-V1	M30	8mm	65mm	NPN N.O.	135.00
NMB8-30GM65-E2-FE-V1				PNP N.O.	135.00
AC/DC 2 WIRE, 20-140 VAC OR 20-200 VDC SUPPLY, DUAL KEY MICRO AC CONNECTOR					
NMB2-12GM85-US-FE-V12	M12	2mm	85mm	N.O.	194.00
NMB5-18GM85-US-FE-V12	M18	5mm	90mm		196.00
NMB8-30GM85-US-FE-V12	M30	8mm	90mm		198.00

NOTE: These are ferrous sensing models only, for non-ferrous, models replace "FE" in Cat. No. with "NFE". Also available in heavy-duty polyurethane pre-leaded and Mini connector versions. For more information contact your Electro Sonic sales representative.