

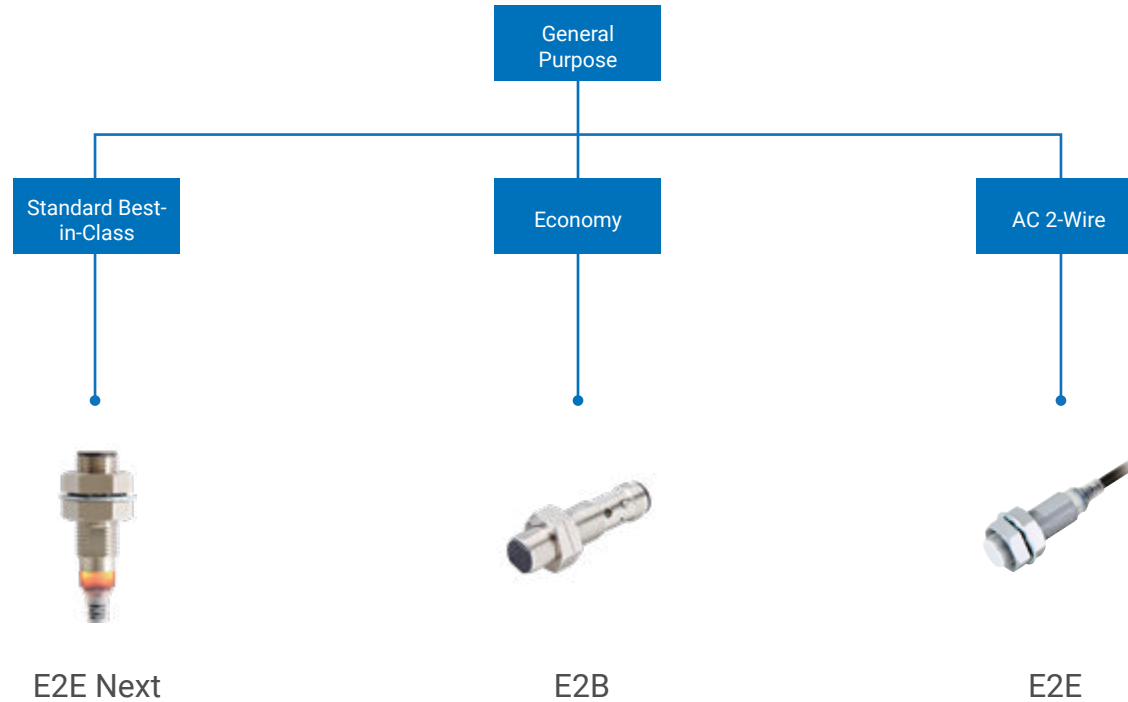
Sensors

Product selection guide



EMPOWERING PEOPLE THROUGH AUTOMATION

General Purpose Inductive Proximity Sensors



Product Family	Main Features	Recommended Cordset Families
E2E Next	Premium sensor with 1x, 2x, 3x, 4x range, DC 3-wire and DC 2-wire available. IP67, IP67K, IP67G, IO-link compatible available. Long barrel models optional	Connector Terminal Box – XW3D Compatible with M12 plug connectors/cordsets M12 4-pin cordset – XS2 screw-type M12 4-pin cordset – XS5 (Smartclick, oil-resistive, fire retardant, spatter resistant models available) M12 field wireable connector XS2 M8 3-pin cordset – XS3 Compatible with M8 sensors only M8 4-pin cordset – XS3 Compatible with M8 sensors only
E2B	Low price leader, 1x and 2x range, DC 3-wire and DC 2-wire available, long barrel, IP67	
E2E	AC 2-wire, short barrel series, IP67	

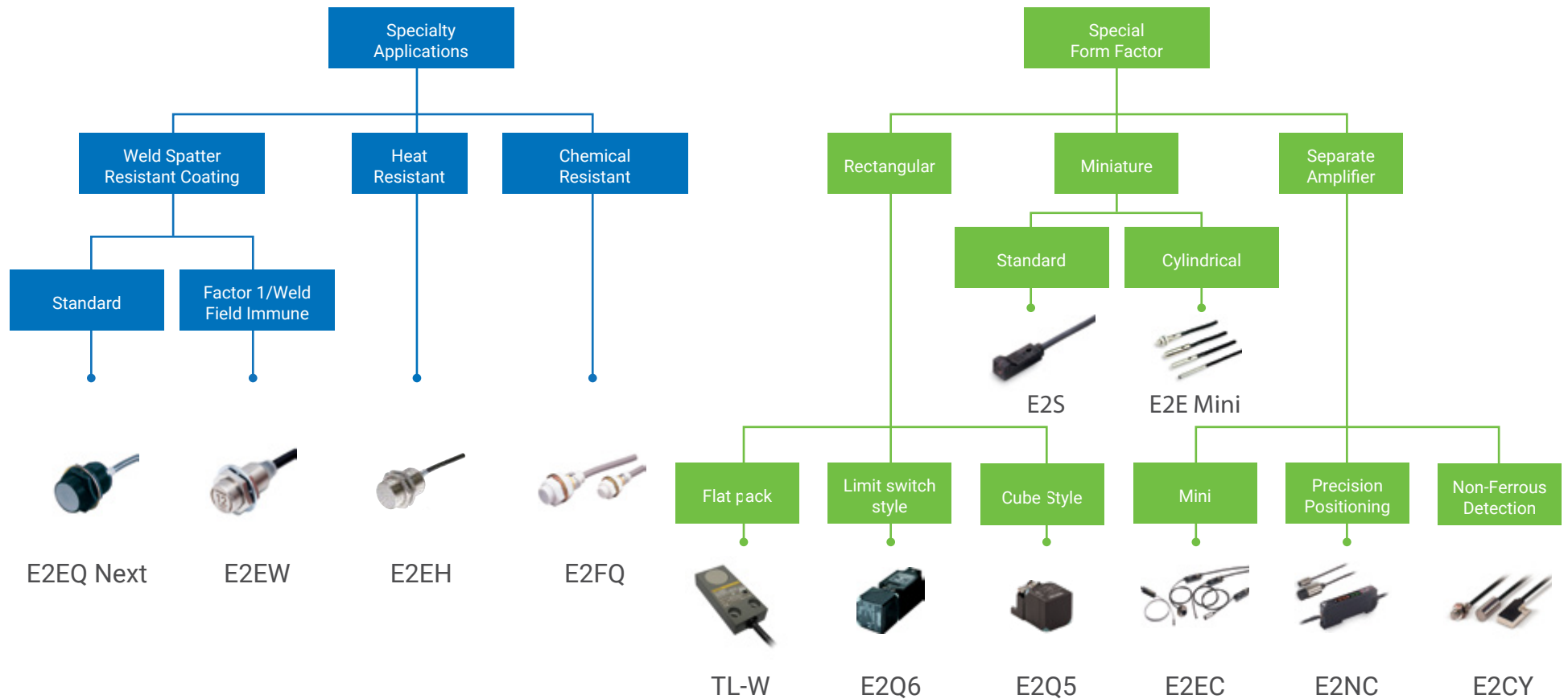
Suggested part numbers - General purpose proximity sensors

Family	Size	Sensing Distance	Connection Type	PNP Model	NPN Model	Suggested Accessories
E2E NEXT DC 3-wire	M8	1.5 mm	M12 4pin	E2E-X1R5B1D8-M1	E2E-X1R5C18-M1	XS2FM4 - XS2 M12 4pin single-ended cordsets XS2WD- M12 4pin double-ended cordsets XW3D- Terminal connector block
		2 mm		E2E-X2B1D8-M1	E2E-X2C18-M1	
		4 mm		E2E-X4B1D8-M1	E2E-X4C18-M1	
		1.5 mm	M8 3pin	E2E-X1R5B1T8-M5	E2E-X1R5C18-M5	XS3FM3- M8 3pin single-ended cordsets XS3W3- M8 3pin double-ended cordsets
		2 mm		E2E-X2B1T8-M5	E2E-X2C18-M5	
		4 mm		E2E-X4B1T8-M5	E2E-X4C18-M5	
	M12	2 mm	M12 4pin	E2E-X2B1D12-M1	E2E-X2C112-M1	XS2FM4 - XS2 M12 4pin single-ended cordsets XS2WD- M12 4pin double-ended cordsets XW3D- Terminal connector block
		4 mm		E2E-X4B1D12-M1	E2E-X4C112-M1	
		9 mm		E2E-X9B1D12-M1	E2E-X9C112-M1	
	M18	5 mm		E2E-X5B1D18-M1	E2E-X5C118-M1	
		8 mm		E2E-X8B1D18-M1	E2E-X8C118-M1	
		14 mm		E2E-X14B1D18-M1	E2E-X14C118-M1	
	M30	10 mm		E2E-X10B1D30-M1	E2E-X10C130-M1	
		15 mm		E2E-X15B1D30-M1	E2E-X15C130-M1	
		23 mm		E2E-X23B1D30-M1	E2E-X23C130-M1	
E2B DC 3-wire	M8	1 mm	M8 3pin	E2B-S08KS01-MC-B1	E2B-S08KS01-MC-C1	XS3FM3- M8 3pin single-ended cordsets XS3W3- M8 3pin double-ended cordsets
		2 mm		E2B-S08KS02-MC-B1	E2B-S08KS02-MC-C1	
	M12	2 mm	M12 4pin	E2B-M12KS02-M1-B1	E2B-M12KS02-M1-C1	XS2FM4 - XS2 M12 4pin single-ended cordsets XS2WD- M12 4pin double-ended cordsets XW3D- Terminal connector block
		4 mm		E2B-M12KS04-M1-B1	E2B-M12KS04-M1-C1	
	M18	5 mm		E2B-M18KS05-M1-B1	E2B-M18KS05-M1-C1	
		8 mm		E2B-M18KS08-M1-B1	E2B-M18KS08-M1-C1	
	M30	10 mm		E2B-M30KS10-M1-B1	E2B-M30KS10-M1-C1	
		15 mm		E2B-M30KS15-M1-B1	E2B-M30KS15-M1-C1	
Family	Size	Sensing Distance		Part Number		Suggested Accessories
E2E NEXT DC 2-wire ²	M8	1.5 mm		E2E-X1R5D1-M1TGJ-T 0.3M		XS2FM4 - XS2 M12 4pin single-ended cordsets XS2WD- M12 4pin double-ended cordsets XW3D- Terminal connector block
		3 mm		E2E-X3D18-M1TGJ-T 0.3M		
	M12	2.5 mm		E2E-X2R5D1-M1TGJ-T 0.3M		
		7 mm		E2E-X7D112-M1TGJ-T 0.3M		
	M18	5 mm		E2E-X5D1-M1TGJ-T 0.3M		
		11 mm		E2E-X11D118-M1TGJ-T 0.3M		
	M30	20 mm		E2E-X20D130-M1TGJ-T 0.3M		

1: Options shown focus on shielded, normally open, M12 or M8 connections. Unshielded, normally closed, and other connection types are available.

2: Options shown focus on shielded, normally open, M12 . Unshielded, normally closed, and other connection types are available. The E2E family offers DC 2-wire options.

Specialty Inductive Proximity Sensors



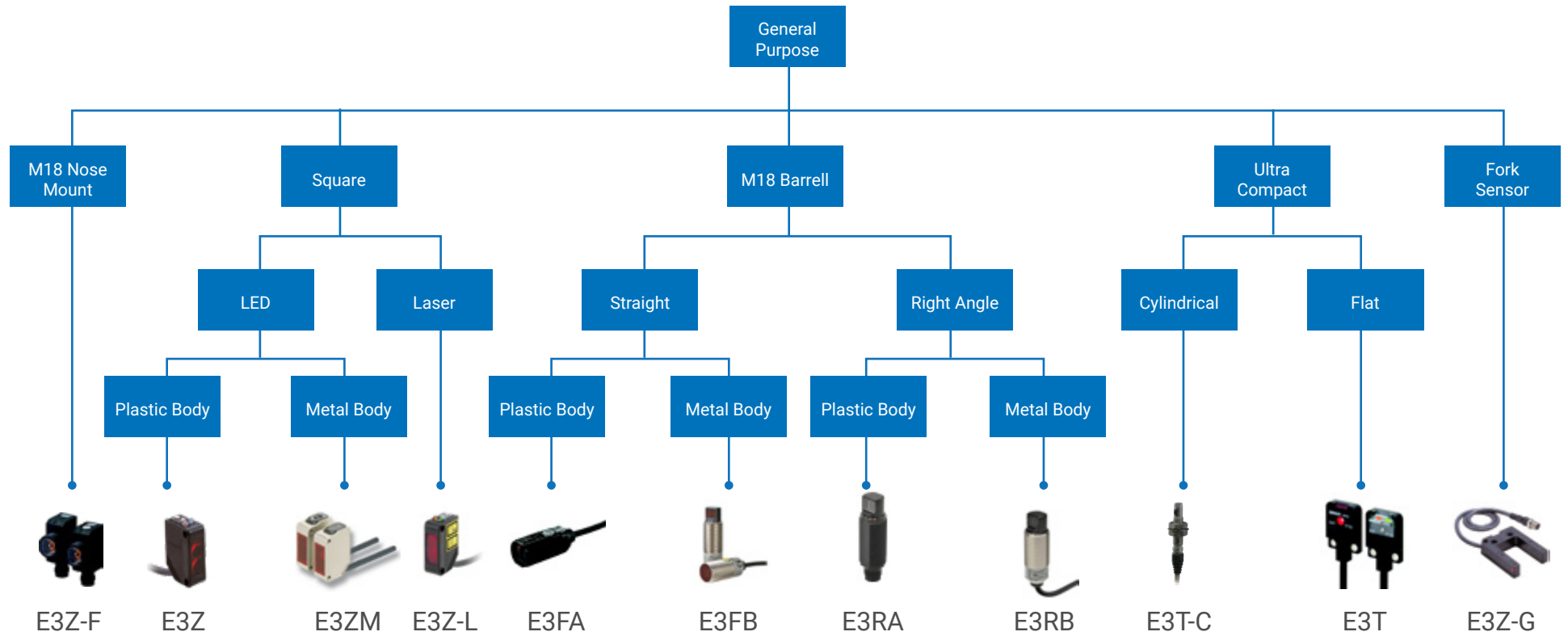
Product Family	Main Features	Recommended Cordset Families
E2EQ Next	Spatter resistant coating 1x, 2x, 3x, 4x range for DC 3-Wire models, 1x and 3x range for DC 2-wire, IO Link compatible available	XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available), M12 4-pin
E2EW	Robust Stainless steel housing, spatter resistant coating in M12, M18, M30 sizes with 1x, 3x, and 4x range. 3x and 4x range models include WFI, Factor 1 Sensing. IO-Link compatible	XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available), M12 4-pin
E2EH	Up to 120°C heat resistance, stainless steel body and Ecolab certification	XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available), M12 4-pin
E2FQ	PTFE body for chemical resistance, AC 2-wire, DC 2-wire and 3-wire available, NEMA 1, 4x, 6, 12 and 13 rated, IP67	Y92E-S_PP, M12 4-pin
E2E Mini	3.5, 4.5, 6.5 mm dia., M4 and M5 cylindrical, IP67	XS3 Screw type, M8 3-pin
E2S	Mini rectangular, 5.5 or 8 mm width, top and front sensing surfaces available, DC 3-wire and 2-wire models, IP67	

Note: For product families not described in detail please click on the product images to visit our product pages.

Suggested Part Numbers - Specialty proximity sensors

Family	Range	Size	Connection	Sensing Distance	PNP	NPN
E2EW	1x	M12	M12 pigtail	2 mm	E2EW-X2B112-M1TJ 0.3M	E2EW-X2C112-M1TJ 0.3M
		M18		5 mm	E2EW-X5B118-M1TJ 0.3M	E2EW-X5C118-M1TJ 0.3M
		M12	2m Cable	2 mm	E2EW-X2B112 2M	E2EW-X2C112 2M
		M18		5 mm	E2EW-X5B118 2M	E2EW-X5C118 2M
	4x	M12	M12 4pin	7 mm	E2EW-X7B1T12-M1	E2EW-X7C112-M1
		M18		12 mm	E2EW-X12B1T18-M1	E2EW-X12C118-M1
		M30		22 mm	E2EW-X22B1T30-M1	E2EW-X22C130-M1
		M12	M12 pigtail	7 mm	E2EW-X7B1T12-M1TJ 0.3M	E2EW-X7C112-M1TJ 0.3M
		M18		12 mm	E2EW-X12B1T18-M1TJ 0.3M	E2EW-X12C118-M1TJ 0.3M
		M30		22 mm	E2EW-X22B1T30-M1TJ 0.3M	E2EW-X22C130-M1TJ 0.3M
		M12	2m Cable	7 mm	E2EW-X7B1T12 2M	E2EW-X7C112 2M
		M18		12 mm	E2EW-X12B1T18 2M	E2EW-X12C118 2M
		M30		22 mm	E2EW-X22B1T30 2M	E2EW-X22C130 2M
E2EW (Spatter resistant)	1x	M12	M12 pigtail	2 mm	E2EW-QX2B112-M1TJ 0.3M	E2EW-QX2C112-M1TJ 0.3M
		M18		5 mm	E2EW-QX5B118-M1TJ 0.3M	E2EW-QX5C118-M1TJ 0.3M
	4x	M12		7 mm	E2EW-QX7B1T12-M1TJ 0.3M	E2EW-QX7C112-M1TJ 0.3M
		M18		12 mm	E2EW-QX12B1T18-M1TJ 0.3M	E2EW-QX12C118-M1TJ 0.3M
		M30		22 mm	E2EW-QX22B1T30-M1TJ 0.3M	E2EW-QX22C130-M1TJ 0.3M
		M12	M12 4pin	7 mm	E2EW-QX7B1T12-M1	E2EW-QX7C112-M1
		M18		12 mm	E2EW-QX12B1T18-M1	E2EW-QX12C118-M1
		M30		22 mm	E2EW-QX22B1T30-M1	E2EW-QX22C130-M1
Family	Range	Size	Connection	Sensing Distance	PNP	NPN
E2S²	Pre-wired 1m	Front		1.6 mm	E2S-Q15 1M	E2S-Q13 1M
				2.5 mm	E2S-Q25 1M	E2S-Q23 1M
		Top		1.6 mm	E2S-W15 1M	E2S-W13 1M
				2.5 mm	E2S-W25 1M	E2S-W23 1M
	Connection	Shielding		Sensing Distance	Output Configuration	Part Number
TL-W	Pre-wired 2m	Unshielded		1.5 mm	NPN	TL-W1R5MC1
				3 mm		TL-W3MC1
				5 mm		TL-W5MC1
				20 mm		TL-W20ME1
		Shielded		5 mm	NPN	TL-W5E1
					PNP	TL-W5F1

Photoelectric Sensors



Photoelectric Sensors

Product Family	Main Features	Recommended Cordset Family
 E3Z	Plastic, compact, standard square body. Thru-beam, diffuse reflective, retro-reflective, distance settable sensing methods available, Red LED and IR optional, IP67	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3Z-F	Plastic, compact, square body with M18 nose mount series. Thru-beam, diffuse reflective, and retro-reflective, Red LED and IR optional, IP67	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3ZM	Stainless steel, compact standard square body. Thru-beam, diffuse reflective, retro-reflective, distance settable sensing methods available, Red LED and IR optional, IP67	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3Z-L	Plastic, compact, standard square body, laser sensor. Thru-beam, retro-reflective, distance settable sensing methods available, laser class 1 (JIS and IEC), small beam spot, IP67	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3FA/FB	M18 Cylindrical body, front sensing surface, plastic (E3FA) and metal (E3FB) options. Thru-beam, diffuse reflective, retro-reflective sensing methods available. Red LED and IR optional, IP67 and IP67K	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3RA/RB	M18 Cylindrical body, right angled sensing surface, plastic (E3RA) and metal (E3RB) options. Thru-beam, diffuse reflective, retro-reflective sensing methods available. Red LED and IR optional, IP67 and IP67K	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardent, oil resistant available) - M12 4-pin
 E3T/E3T-C	Ultra-compact, rectangular flat (E3T) and cylindrical (E3T-C) body with side view available. Thru-beam, retro-reflective, diffuse reflective sensing methods available, IP65 (E3T-C) IP67 (E3T)	

Suggested Part Numbers - Photoelectric sensors

Family ¹	Sensor Type	Sensor Distance	Connection	PNP Model	NPN Model
E3Z ¹	Through-beam (emitter+receiver)	10m (Red LED)	M8 Connector (4 pins)	E3Z-T86A	E3Z-T66A
		15m (Infrared LED)	2m Cable	E3Z-T81	E3Z-T61
			M8 Connector (4 pins)	E3Z-T86	E3Z-T66
	Retro-reflective with MSR function	0.1 to 4m (Red LED)	2m Cable	E3Z-R81	E3Z-R61
			M8 Connector (4 pins)	E3Z-R86	E3Z-R66
	Diffuse-reflective	1m (Infrared LED)	2m Cable	E3Z-D82	E3Z-D62
			M8 Connector (4 pins)	E3Z-D87	E3Z-D67
	Background suppression	20 to 200mm (Red LED)	2m Cable	E3Z-LS81	E3Z-LS61
			M8 Connector (4 pins)	E3Z-LS86	E3Z-LS66
E3Z-F	Through-beam (emitter+receiver) ²	20 m	2m Cable	E3Z-FTP11 2M	E3Z-FTN11 2M
			M12 Connector (4 pins)	E3Z-FTP21	E3Z-FTN21
	Retro-reflective with MSR Function	0.1 to 4m	2m Cable	E3Z-FRP11 2M	E3Z-FRN11 2M
			M12 Connector (4 pins)	E3Z-FRP21	E3Z-FRN21
	Diffuse-reflective ¹	100 mm	2m Cable	E3Z-FDP11 2M	E3Z-FDN11 2M
			M12 Connector (4 pins)	E3Z-FDP21	E3Z-FDN21
		300 mm	2m Cable	E3Z-FDP12 2M	E3Z-FDN12 2M
			M12 Connector (4 pins)	E3Z-FDP22	E3Z-FDN22
		500 mm	2m Cable	E3Z-FDP13 2M	E3Z-FDN13 2M
			M12 Connector (4 pins)	E3Z-FDP23	E3Z-FDN23
		1 m	2m Cable	E3Z-FDP14 2M	E3Z-FDN14 2M
			M12 Connector (4 pins)	E3Z-FDP24	E3Z-FDN24
E3FA	Through-beam (emitter + receiver) ¹	20m (Red LED)	2m Cable	E3FA-TP11 2M	E3FA-TN11 2M
			M12 Connector (4 pins)	E3FA-TP21	E3FA-TN21
	Retro-reflective with MSR function	0.1 to 4m (Red LED)	2m Cable	E3FA-RP11 2M	E3FA-RN11 2M
			M12 Connector (4 pins)	E3FA-RP21	E3FA-RN21
	Diffuse-reflective ²	100mm (Red LED)	2m Cable	E3FA-DP11 2M	E3FA-DN11 2M
			M12 Connector (4 pins)	E3FA-DP21	E3FA-DN21
		300mm (Red LED)	2m Cable	E3FA-DP12 2M	E3FA-DN12 2M
			M12 Connector (4 pins)	E3FA-DP22	E3FA-DN22
		1m (Red LED)	2m Cable	E3FA-DP13 2M	E3FA-DN13 2M
			M12 Connector (4 pins)	E3FA-DP23	E3FA-DN23

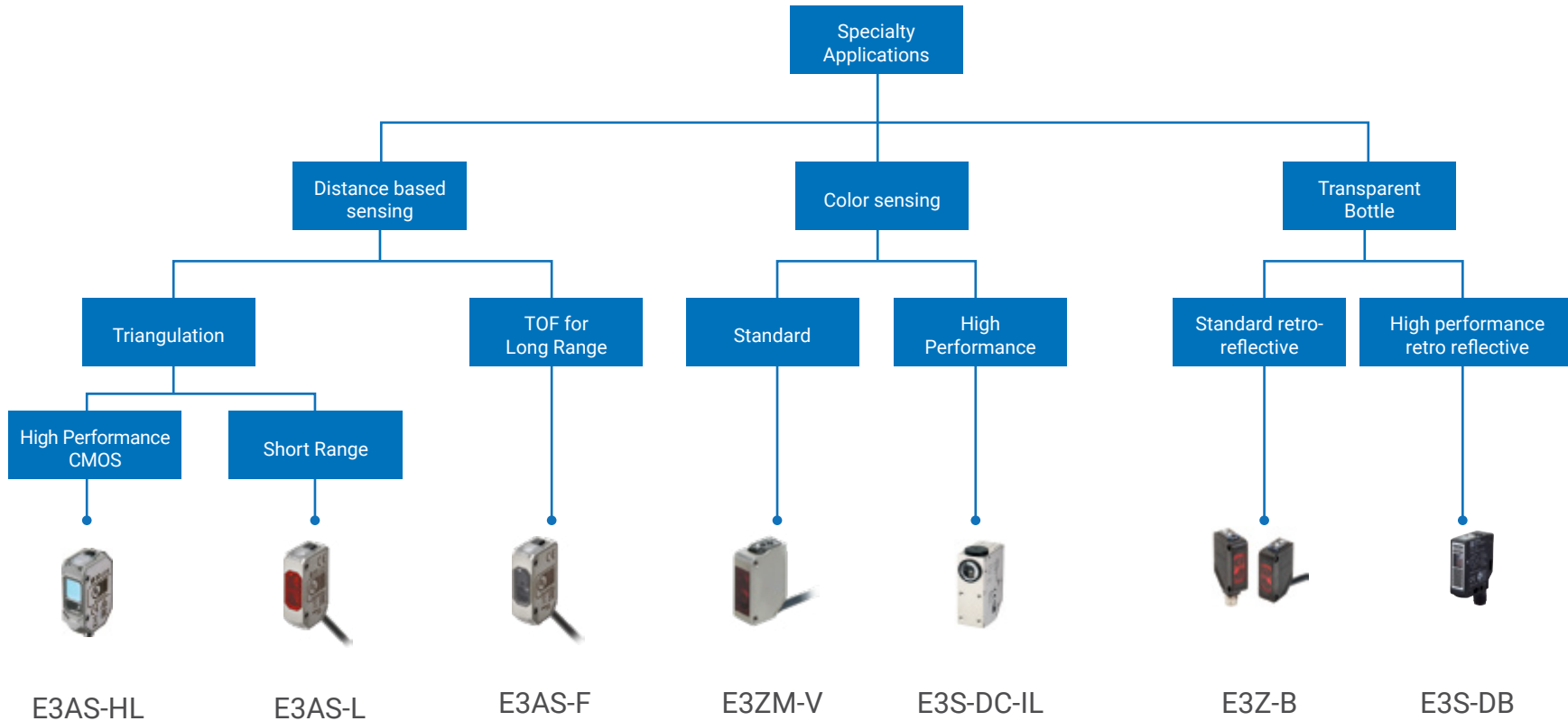
1: Flexible manufacturing refers to applications in which production lines make several different products

Note: For product families not described in detail please click on the product images to visit our product pages..

Suggested Part Numbers - Photoelectric sensors, continued

Family¹	Sensor Type	Sensor Distance	Connection	PNP Model	NPN Model
E3ZM	Through-beam (emitter+receiver)	15 m	2m Cable	E3ZM-T81 2M	E3ZM-T61 2M
			M8, 4pin Connector	E3ZM-T66	E3ZM-T86
	Retro-reflective with MSR function	4 m	M8, 4pin Connector	E3ZM-R86	E3ZM-R66
	Diffuse-reflective	1 m	2m Cable	E3ZM-D82 2M	E3ZM-D62 2M
			M8, 4pin Connector	E3ZM-D87	E3ZM-D67
	Background suppression	10-100mm	M8, 4pin Connector	E3ZM-LS86H	E3ZM-LS66H
		10-200mm		E3ZM-LS89H	E3ZM-LS69H
E3FB	Through-beam (emitter+receiver)	20 m	M12 Connector	E3FB-TP21	E3FB-TN21
	Retro-reflective with MSR function	0.1- 4 m		E3FB-RP11	E3FB-RN11
	Diffuse-reflective	100 mm		E3FB-DP21	E3FB-DN21
		300 mm		E3FB-DP22	E3FB-DN22
		1 m		E3FB-DP23	E3FB-DN23
	Background suppression	100 mm		E3FB-LP21	E3FB-LN21

Specialty Photoelectric

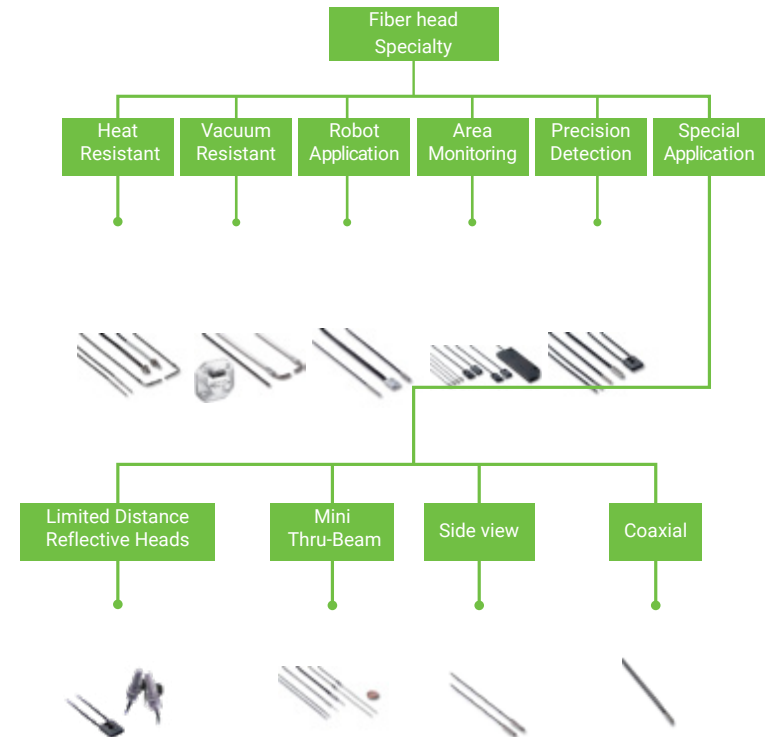
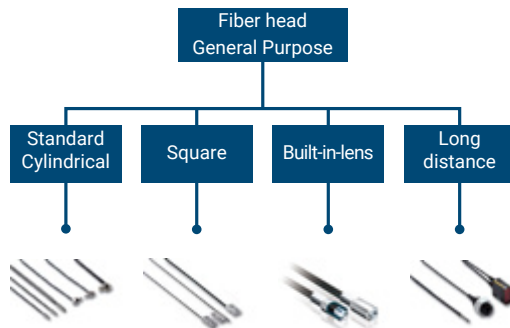
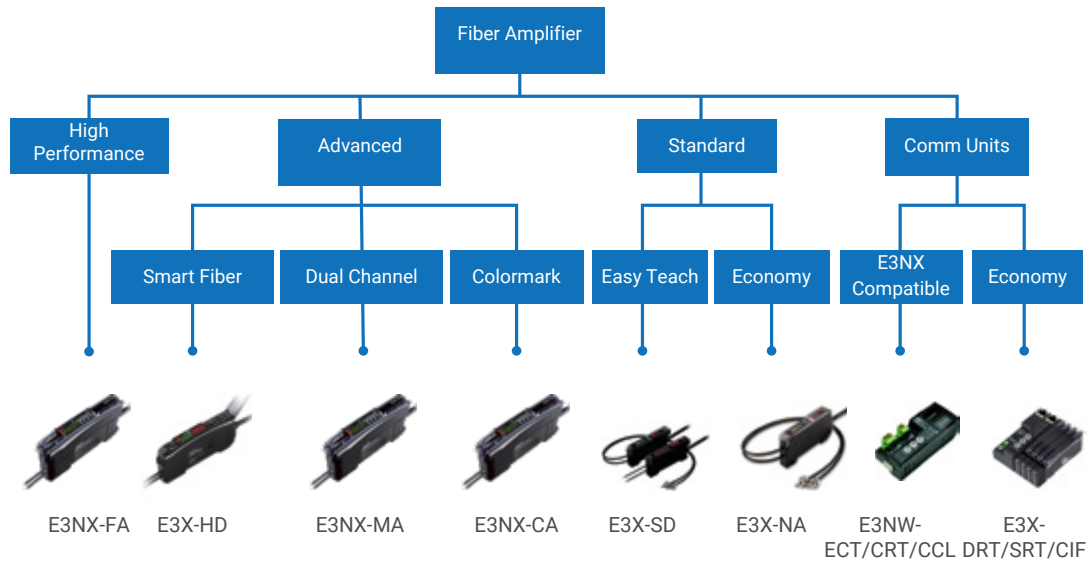


Product Family	Main Features	Recommended Cordset Family
E3AS-HL	Stainless steel body, high performance CMOS laser sensor for difficult target detection. 150 mm and 500 mm sensing range, spot and line beam available. IP67, IP67G, IP69K, Ecolab certified	XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available), M12 4-pin
E3AS-F	Plastic and Stainless steel body available, standard time of flight sensor, 1 m and 1.5 m sensing range, IR laser, IP67, IP67G, IP69K, Ecolab certified	XS3 - M8 4-pin, XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available) - M12 4-pin
E3AS-L	Stainless steel body, compact background suppression sensor for thin part detection. 80 mm and 120 mm sensing range, IP67, IP67G, IP69K, Ecolab certified	
E3ZM-V	Stainless steel compact body, white LED for RGB sensing, 12 mm sensing distance, IP69K, Ecolab certified	
E3S-DC-IL	Stainless steel, improved color mark sensor, 10 mm sensing distance, IO-link compatible, IP67	XS2 screw type or XS5 Smart-click connector cable (spatter resistant, heat resistant, flame retardant, oil resistant available), M12 4-pin
E3Z-B	Standard rectangular photoeye, retro-reflective sensing method without MSR function for transparent bottle detection. IP67	XS3 Screw type, M8 3-pin
E3S-DB	Plastic body, high performance retro-reflective sensing method with smart teach and automatic compensation for ease of use. IP67K and Ecolab certified	Y92E-S_PP, M12 4-pin

Suggested Part Numbers

Family¹	Sensor Type	Sensor Distance	Connection	PNP Model	NPN Model
E3AS-HL	CMOS Spot Beam	500 mm	2m Cable	E3AS-HL500MT 2M	E3AS-HL500MN 2M
			M12 Pigtail	E3AS-HL500MT-M1TJ 0.3M	E3AS-HL500MN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-HL500MT M3	E3AS-HL500MN M3
	CMOS Line Beam		M12 Pigtail	E3AS-HL500LMT-M1TJ 0.3M	E3AS-HL500LMN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-HL500LMT M3	E3AS-HL500LMN M3
	CMOS Spot Beam	150 mm	M12 Pigtail	E3AS-HL150MT-M1TJ 0.3M	E3AS-HL150MN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-HL150MT M3	E3AS-HL150MN M3
	CMOS Line Beam		M12 Pigtail	E3AS-HL150LMT-M1TJ 0.3M	E3AS-HL150LMN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-HL150LMT M3	E3AS-HL150LMN M3
E3AS-F³	Time of Flight (TOF)	50 - 1500 mm	Stainless Steel	E3AS-F1500IMT-M1TJ 0.3M	E3AS-F1500IMN-M1TJ 0.3M
			Plastic	E3AS-F1500IPT-M1TJ 0.3M	E3AS-F1500IPN-M1TJ 0.3M
		50 - 1000 mm	Stainless Steel	E3AS-F1000IMT-M1TJ 0.3M	E3AS-F1000IMN-M1TJ 0.3M
			Plastic	E3AS-F1000IPT-M1TJ 0.3M	E3AS-F1000IPN-M1TJ 0.3M
E3AS-L	Background suppression	200 mm	2m Cable	E3AS-L200MD 2M	E3AS-L200MN 2M
			M12 Pigtail	E3AS-L200MD-M1TJ 0.3M	E3AS-L200MN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-L200MD-M3	E3AS-L200MN-M3
		80 mm	2m Cable	E3AS-L80MD 2M	E3AS-L80MN 2M
			M12 Pigtail	E3AS-L80MD-M1TJ 0.3M	E3AS-L80MN-M1TJ 0.3M
			M8, 4pin Connector	E3AS-L80MD M3	E3AS-L80MN M3

Fiber Optic Sensors



Fiber Amplifier	Main Features	Communication Capabilities
E3NX-FA	1 and 2 output versions, Red LED and IR light sources, Analog amplifier options, response speed up to 30us, network communication options	Compatible with E3NW communications module which can support up to 30 E3NX-FA fiber amplifiers. Communication with EtherCAT, CompoNet, CC-Link
E3X-HD	1 output only, Red LED light source, up to 50us response time, network communication options	Compatible with E3X communications module which can support up to 30 E3X-HD (ECAT) fiber amplifiers. Communication with EtherCAT, CompoNet, DeviceNet, Serial
E3NX-MA	Dual channel fiber amplifier, Red LED light source, up to 100us response time, network communication options	Compatible with E3NW communications module which can support up to 30 E3NX-MA (ECAT) fiber amplifiers. Communication with EtherCAT, CompoNet, CC-Link
E3NX-CA	Colormark fiber amplifier, high signal:noise ratio, 1 and 2 output versions, up to 50us response time, network communication options	Compatible with E3NW communications module which can support up to 30 E3NX-CA fiber amplifiers. Communication with EtherCAT, CompoNet, CC-Link
E3X-SD/NA	Base model fiber amplifiers, bar or digital read out,	N/A

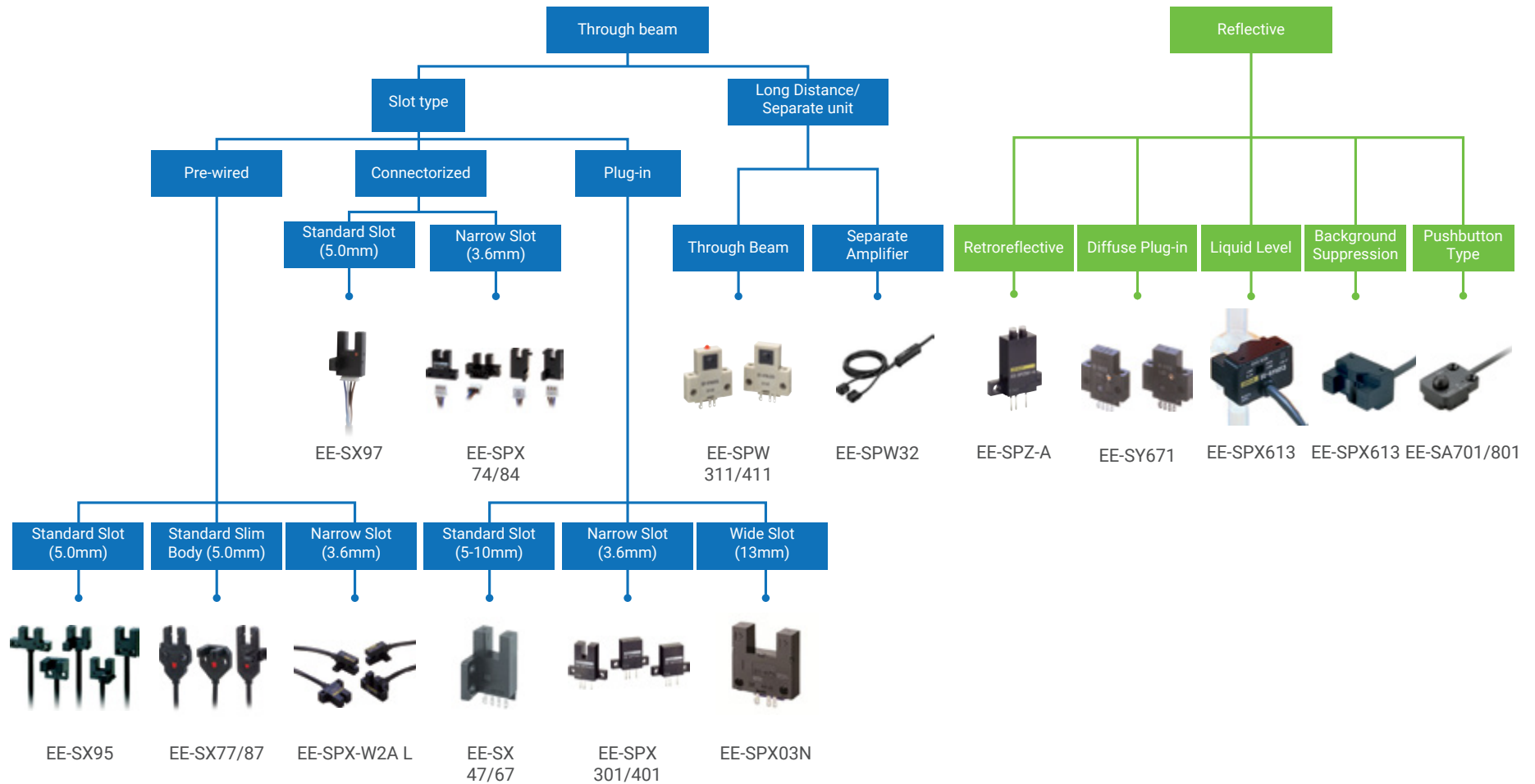
Suggested Part Numbers¹ - Fiber optic sensors

E3NX-FA	Setting/Function	Inputs/Outputs	Connection	PNP Model	NPN Model	Communications Module	
	Standard Models	1 output	2 m	E3NX-FA41 2M	E3NX-FA11 2M	E3NW-ECT, E3NW-CCL, E3NW-CRT, E3NW-DS	
	Infrared Models	1 output		E3NX-FAH41 2M	E3NX-FAH11 2M		
	Advanced Models	2 outputs + 1 input		E3NX-FA51 2M	E3NX-FA21 2M		
	Analog Output Models	2 outputs		E3NX-FA41AN 2M	E3NX-FA11AN 2M		
E3X-HD	Advanced digital amplifier	1 output	2m Cable	E3X-HD41 2M	E3X-HD11 2M	E3X-ECT; E3X-CRT; E3X-DRT21; E3XCIF11	
			M8 Connector	E3X-HD44	E3X-HD14		
E3X-NA/SD	Potentiometer and Bar graph	1 output	2m Cable	E3X-NA41	E3X-NA11	N/A	
	Teach Button and digital display			E3X-SD51 2M	E3X-SD21		
E3NX-CA	Model	Inputs/Outputs	Connection	PNP Model	NPN Model	Communications Module	
	Standard Model	1 output	2m Cable	E3NX-CA41 2M	E3NX-CA11 2M	E3NW-ECT, E3NW-CCL, E3NW-CRT, E3NW-DS	
	Advanced Model	2 outputs / 1 input		E3NX-CA51 2M	E3NX-CA21 2M		
Select Stock Fibers²	Fiber Type	Part Number	Description				
	Threaded	E32-C31N 2M	Coaxial reflective, nut type head with M3 threaded barrel, R4 bend radius				
		E32-C91N 2M	Coaxial reflective, nut type head with M6 threaded barrel, R4 bend radius				
		E32-C31 2M	Coaxial reflective, M3 threaded barrel, R1 bend radius				
		E32-LD11 2M	Coaxial reflective, M6 threaded barrel, R25 bend radius				
	Cylindrical	E32-T22B	Through-beam, 1.5 mm dia., R4 bend radius				
		E32-T12R	Through-beam, 3.0 mm dia., R1 bend radius				
		E32-D22R	Reflective, 3.0 mm dia., R1 bend radius				
		E32-D32L	Coaxial reflective, 3.0 mm dia., R25 bend radius				
		E32-D33	Reflective, 3.0 mm to 0.8 mm dia., R25 bend radius				
	Heat Resistant	E32-T51	Through-beam, M4 threaded barrel, R2 bend radius, heat resistant to 100C				
		E32-T61-S	Through-beam, M4 threaded barrel, R25 bend radius, heat resistant to 350C				
	Bend Resistant	E32-D21	Coaxial reflective, M3 barrel, R4 bend radius				
		E32-D11	Coaxial reflective, M6 barrel, R4 bend radius				
	Lens	Part Number	Description	Spot size			
		E39-F1	Aperture Angle 12°	0.1 mm dia			
E39-F2		Aperture Angle 60°	0.1 mm dia				
E39-F3B		Lens for E32-C41, E32-21, E32-C31N	0.2 - 0.5mm dia				
Accessories	Part Number	Description					
	E39-F9	Thin fiber attachment					
	E39-F4	Fiber Cutter					

1: Note: Omron makes hundreds of different fibers this is only a small sampling

2: Standard fiber length is 2M.

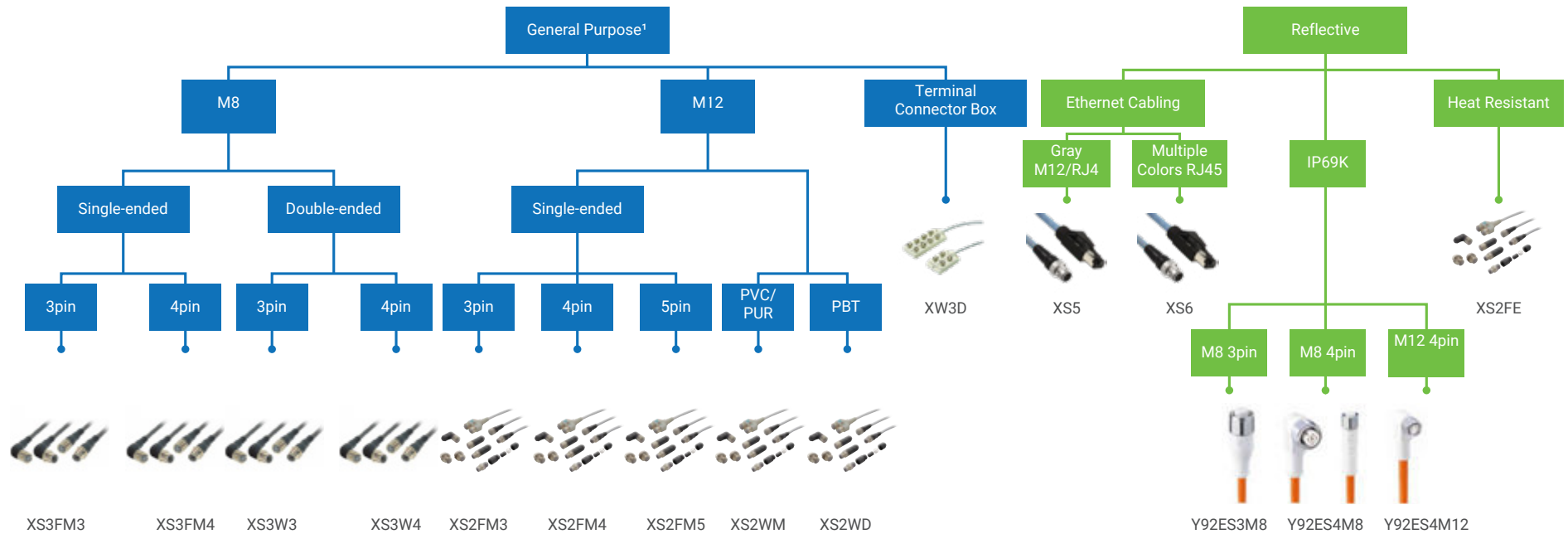
Photomicrosensors



Suggested Part Numbers - photomicrosensors

Family	Sensor Type	Form Factor	Connection	Description	PNP Model	NPN Model		
EE-SX67	Through-Beam	Slot Type	Connector	Standard	EE-SX670	EE-SX670P		
					EE-SX670R	EE-SX670A		
				L-shaped	EE-SX671P	EE-SX671		
					EE-SX671R	EE-SX671A		
				T-shaped	EE-SX672P	EE-SX672		
					EE-SX672R	EE-SX672A		
EE-SX95			Pre-wired	U-shaped	EE-SX954P-W 1M	EE-SX954-W 1M		
					-	EE-SX954-R 1M		
				R-shaped	EE-SX953P-W 1M	EE-SX953-W 1M		
					-	EE-SX953-R 1M		
		F-shaped		EE-SX952P-W 1M	EE-SX952-W 1M			
				-	EE-SX952-R 1M			
		L-shaped	EE-SX951P-W 1M	EE-SX951-W 1M				
			-	EE-SX951-R 1M				
		EE-SX77/87	Slim Compact	Pre-wired	Standard Dark-ON	EE-SX770P	EE-SX770	
						EE-SX770R	EE-SX770A	
Standard Light-ON					EE-SX870P	EE-SX870		
					EE-SX870R	EE-SX870A		
L-shaped Dark-ON					EE-SX771P	EE-SX771		
					EE-SX771A	EE-SX771R		
L-shaped Light-ON					EE-SX871P	EE-SX871		
					EE-SX871R	EE-SX871A		
T-shaped Dark-ON					EE-SX772P	EE-SX772		
					EE-SX772R	EE-SX772A		
T Light-ON		EE-SX872P			EE-SX872			
		EE-SX872A			EE-SX872R			
Family	Description	Part Number			Compatible Sensors			
EE-CN	Connector	EE-1001			EE-SX67/47; EE-SY67, EE-SPY31/41, EE-SPX303/403, EE-SPW311/411			
	Connector with 1m cable	EE-1006						
	Connector w/ locking mechanism	EE-1009						
	Connector with 1m cable	EE-1003	EE-SPX301/401, EE-SPY30□/40□, EE-SPZ301□/401□					

Cordsets and Connectors



Suggested Part Numbers - Cordsets

Material	Connector Size	No. of Pins	Length	Straight Connector	Right Angle Connector
PUR	M8	3 Pins	2 m	XS3F-M8PUR3S2M	XS3F-M8PUR3A2M
			5 m	XS3F-M8PUR3S5M	XS3F-M8PUR3A5M
			10 m	XS3F-M8PUR3S10M	XS3F-M8PUR3A10M
		4 Pins	2 m	XS3F-M8PUR4S2M	XS3F-M8PUR4A2M
			5 m	XS3F-M8PUR4S5M	XS3F-M8PUR4A5M
			10 m	XS3F-M8PUR4S10M	XS3F-M8PUR4A10M
	M12	4 Pins	2 m	XS2F-M12PUR4S2M	XS2F-M12PUR4A2M
			5 m	XS2F-M12PUR4S5M	XS2F-M12PUR4A5M
			10 m	XS2F-M12PUR4S10M	XS2F-M12PUR4A10M
PVC	M8	3 Pins	2 m	XS3F-M8PVC3S2M	XS3F-M8PVC3A2M
			5 m	XS3F-M8PVC3S5M	XS3F-M8PVC3A5M
			10 m	XS3F-M8PVC3S10M	XS3F-M8PVC3A10M
		4 Pins	2 m	XS3F-M8PVC4S2M	XS3F-M8PVC4A2M
			5 m	XS3F-M8PVC4S5M	XS3F-M8PVC4A5M
			10 m	XS3F-M8PVC4S10M	XS3F-M8PVC4A10M
	M12	3 Pins	2 m	XS2F-M12PVC3S2M	XS2F-M12PVC3A2M
			5 m	XS2F-M12PVC3S5M	XS2F-M12PVC3A5M
			10 m	XS2F-M12PVC3S10M	XS2F-M12PVC3A10M
		4 Pins	2 m	XS2F-M12PVC4S2M	XS2F-M12PVC4A2M
			5 m	XS2F-M12PVC4S5M	XS2F-M12PVC4A5M
			10 m	XS2F-M12PVC4S10M	XS2F-M12PVC4A10M

Double-ended cordsets

Material	Connector Size	No. of Pins	Length	Straight Connector	Right Angle (Socket)/Straight (Plug)
PVC	M12	4 Pins	2 m	XS2W-D421-D81-F	XS2W-D424-D81-F
			5 m	XS2W-D421-G81-F	XS2W-D424-G81-F
			10 m	XS2W-D421-J81-F	XS2W-D424-J81-F



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