

# PHOTOMICROSENSOR SELECTOR GUIDE 2015 Ver2.0



Model *1	EE-SX1107	EE-SX1108 /4134	EE-SX1131	EE-SX1109	EE-SX1350 /3350,4350	EE-SX1235A /3239, 4235A-P2	EE-SX460-P1	EE-SX461 -P11	EE-SX3148 -P1	EESX3009-P1 /4009-P1	EESX3157P1 /4157E-P1	EE-SX1018	EE-SX1103	EE-SX1105	EE-SX493	EE-SX1055	EE-SX1046	EE-SX1106	
Sensing (Termination)	Transmissive (SMD)					Transmissive (Connectors)						Transmissive (Terminal)							
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Snap-In	Snap-In	Snap-In	Screw Mounting	Screw Mounting	Screw Mounting	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole
Sensing Distance	1mm	2mm	2mm	3mm	5mm	5mm	5mm	15mm	3.6mm	5mm	5mm	2mm	2mm	2mm	2mm	2.8mm	3mm	3mm	
Output configuration *2	PTr	PTr / P-IC	PTr	PTr	PTr / P-IC	PTr / P-IC	P-IC	P-IC	P-IC	P-IC	P-IC	PTr	PTr	PTr	P-IC	PTr	PTr	PTr	
Aperture Size	0.15mm	0.3mm	0.3mm	0.5mm	0.5mm	0.5mm	0.5mm	2.0mm	0.5mm	0.5mm	0.5mm	0.5mm	0.4mm	0.4mm	0.2mm	0.5mm	0.5mm	0.4mm	
Dimensions (LxWxH)	3.4 x 3 x 3	5 x 4 x 4	5 x 4 x 4	6 x 4 x 5	8.8 x 4 x 9	27 x 8 x 15.9	30 x 11 x 23.6	32.5 x 12 x 23.6	26 x 6.4 x 13.5	34 x 11 x 21	16 x 13 x 10.5	8 x 4 x 6	5 x 4.2 x 5.2	4.9 x 2.6 x 3.3	11 x 8 x 9.7	8.9 x 4 x 5.4	10 x 6.5 X 5	6.4 x 4.2 x 5.4	
Features	Ultra-compact	Ultra-compact	Output 2ch Ultra-compact	General purpose		General purpose	General purpose Easy to mount	General purpose Easy to mount				Compact	Ultra-compact	Ultra-compact	High resolution	Compact	Horizontal aperture	Compact	

Model *1	EE-SX199	EE-SX198 /398,498	EE-SX1071 /301,401	EE-SX1057	EE-SX1128	EE-SX1081 /3081,4081	EE-SX1115	EE-SX1137	EE-SX1042	EE-SX1035	EE-SX1070 /3070,4070	EE-SX1140	EE-SX129	EE-SH3	EE-SV3	EE-SX1088 /3088,4088	EE-SX1096	EE-SG3 /SG3B
Sensing (Termination)	Transmissive (Terminal)																	
Mounting Type	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting
Sensing Distance	3mm	3mm	3.4mm	3.6mm	4.2mm	5mm	5mm	5mm	5mm	5.2mm	8mm	14mm	3.0mm	3.4mm	3.4mm	3.4mm	3.4mm	3.6mm
Output configuration *2	PTr	PTr / P-IC	PTr / P-IC	PTr	PTr	PTr / P-IC	PTr	PTr	PTr	PTr	PTr / P-IC	PTr	PTr	PTr	PTr	PTr / P-IC	PTr	PTr
Aperture Size	0.5mm	0.5mm	0.5mm	2.0mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	1.0mm	0.5mm	1.5mm	0.2mm	0.2/0.5/1.0mm	0.2/0.5/1.0mm	0.5mm	0.5mm	2.0mm
Dimensions (LxWxH)	12.2 x 5 x 10	12.2 x 5 x 10	13.6 x 6.2 x 10.4 /15.4 x 6.2 x 10.4	13 x 6.35 x 11.5	13.5 x 5.2 x 9.3	13.7 x 5 x 10	14 x 5 x 14.7	13.7 x 5 x 10	14 x 5 x 14.5	12.6 x 6.3 x 6.9	17.7 x 6 x 10	23 x 5 x 16.3	13 x 11 x 8	25.4 x 6.2 x 10.4	15.1 x 19 x 10.4	25 x 6 x 10	25 x 6 x 10	25.4x6.35x11.7
Features	With a positioning boss	General purpose	General purpose	Dustproof	Horizontal aperture	General purpose	High profile, With a positioning boss	With a positioning boss	High profile	Compact	Wide slot, With a positioning boss	Wide slot	High resolution	High-resolution model	High-resolution model	General purpose	Horizontal aperture	Dustproof

Model *1	EE-SX1161 /3161,4161-W11	EE-SX1088 /3088,4088-W11	EE-SX1096 /3088,4096-W11	EE-SX1160 /3160,4160-W11	EE-SY1200	EE-SY171	EE-SY169 /A/B	EE-SY113 /313,413	EE-SY110 /310,410	EE-SF5 /5-B	EE-SB5	EE-SA105	EE-SA103	EE-SA104	EE-SA407 -P2	EY3A-1081	B5W-LA01	Z4D-B01
Sensing (Termination)	Transmissive (Prewired)				Reflective Type							Actuator Type					Convergent reflective	Micro Displacement
Mounting Type	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Surface Mount	Through-hole	Through-hole	Through-hole	Through-hole	Screw Mounting	Through-hole / S	Through-hole	Through-hole	Through-hole	Snap-in	Screw Mounting	Screw Mounting	Screw Mounting
Sensing Distance	3.2mm	3.4mm	3.4mm	9.5mm	1mm	3.5mm	4mm	4.4mm	5mm	5mm	5mm	2.1mm	3mm	3mm	3.6mm	80mm	70mm	6.5mm +-1mm
Output configuration *2	PTr / P-IC	PTr / P-IC	PTr / P-IC	PTr / P-IC	PTr	PTr	PTr	PTr / P-IC	PTr / P-IC	PTr	PTr	PTr	PTr	PTr	P-IC	P-IC	P-IC	MicroDisplacement
Aperture Size	0.5mm	0.5mm	0.5mm	0.5mm	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	0.5mm	0.5mm	0.5mm	not applicable	not applicable	not applicable
Dimensions (LxWxH)	12.95 x 23.7 x 12.7	25 x 6 x 10	25 x 6 x 10	31.75 x 6 x 15.5	3.2 x 1.9 x 1.1	14 x 4.2 x 3	12.5 x 6 x 8	12 x 6.2 x 6	12 x 4.6 x 4.8	13 x 5.7 X 8	25.4x6.35X11.5	9.4 x 4.4 x 14.2	9 x 4 x 6	9 x 4 x 9.7	27 x 8 x 21.9	56.3 x 32 x 15	40.0x 8.4 x 13.3	35.5 x 14.5 x 16
Features	Dustproof	General purpose	Horizontal aperture	Wide slot	Ultra-compact	Thin	Red LED / General purpose / High power, RedLED	Dustproof	General purpose / Dustproof	Dustproof	Dustproof	Low operating force	Side attachment	TOP attachment	TOP attachment	Long distance		Micro Displacement

\*1 EE-SX3~...Dark On, EE-SX4~...Light On

\*2 PTr...Phototransistor, P-IC...Photo-IC