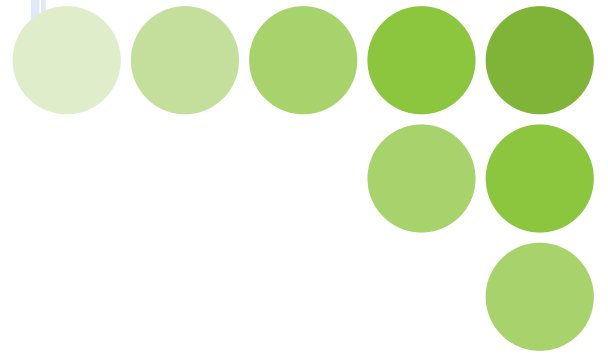










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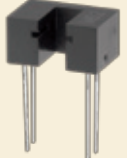


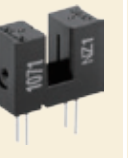

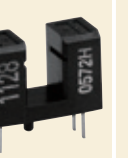

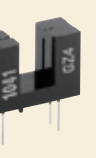








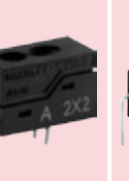

Photomicrosensors™ Selector Guide



Photomicrosensors™ Selector Guide

Model *1	EE-SX1320 /4320	EE-SX1321	EE-SX1330	EE-SX1340 /3340,4340	EE-SX1350 /3350,4350	EE-SX1235A-P2 /3239-P2,4235A-P2	EE-SX460-P1	EE-SX461-P11
Sensing Type (Termination)	Transmissive (SMD)					Transmissive (Connectors)		
	NEW! 	NEW! 	NEW! 	NEW! 	NEW! 			
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Snap-In	Snap-In	Snap-In
Sensing Distance	2mm	2mm	3mm	4mm	5mm	5mm	5mm	15mm
Output configuration *2	PTr/P-IC	PTr	PTr	PTr/P-IC	PTr/P-IC	PTr/P-IC	P-IC	P-IC
Aperture Size	0.3mm	0.3mm	0.3mm	0.5mm	0.5mm	0.5mm	0.5mm	2mm
Dimensions (L×W×H)	5.1×4×4	5.1×4×4	6×4×5	8×4×5.5	9×4×9	27×8×15.9	30×11×23.6	32.5×12×23.6
Features	Ultra-compact	Output 2ch, Ultra-compact	Ultra-compact	Compact	General purpose	High-resolution model	High-resolution model, Easy to mount	Wide slot, Easy to mount

Model *1	EE-SX1046	EE-SX1106	EE-SX198 /398,498	EE-SX1071 /301,401	EE-SX1057	EE-SX1128	EE-SX1081 /3081,4081	EE-SX1041
Sensing Type (Termination)	Transmissive (Terminal)							
								
Mounting Type	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole
Sensing Distance	3mm	3mm	3mm	3.4mm	3.6mm	4.2mm	5mm	5mm
Output configuration *2	PTr	PTr	PTr/P-IC	PTr/P-IC	PTr	PTr	PTr/P-IC	PTr
Aperture Size	0.5mm	0.4mm	0.5mm	0.5mm	2mm	0.5mm	0.5mm	0.5mm
Dimensions (L×W×H)	10×6.5×5	6.4×4.2×5.4	12.2×5×10	13.6×6.2×10.4 /15.4×6.2×10.4	13×6.35×11.5	13.5×5.2×9.3	13.7×5×10	14×6×10
Features	Horizontal aperture	Compact	General purpose Without a positioning boss*3	General purpose	Dustproof	Horizontal aperture With a positioning boss	General purpose	With a positioning boss

Model *1	EE-SX1161-W11 /3161-W11,4161-W11	EE-SX1088-W11 /3088-W11,4088-W11	EE-SX1096-W11 /3096-W11,4096-W11	EE-SX1160-W11 /3160-W11,4160-W11	EE-SY1200	EE-SY171	EE-SY169 ,169A,169B	EE-SY113 /313,413
Sensing Type (Termination)	Transmissive (Prewired)				*Detachable connector Reflective			
								
Mounting Type	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Surface Mount	Through-hole	Through-hole	Through-hole
Sensing Distance	3.2mm	3.4mm	3.4mm	9.5mm	1mm	3.5mm	4mm	4.4mm
Output configuration *2	PTr/P-IC	PTr/P-IC	PTr/P-IC	PTr/P-IC	PTr	PTr	PTr	PTr/P-IC
Aperture Size	0.5mm	0.5mm	0.5mm	0.5mm	not applicable	not applicable	not applicable	not applicable
Dimensions (L×W×H)	12.95×23.7×12.7	25×6×10	25×6×10	31.75×6×15.5	3.2×1.9×1.1	14×4.2×3	12.5×6×8	12×6.2×6
Features	Dustproof	General purpose	Horizontal aperture	Wide slot	Ultra-compact	Thin	Red LED, A:General purpose, B:Red LED, High power	Dustproof

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

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

*3 With a positioning boss version...EE-SX199

*4 With a positioning boss version...EE-SX1115

EE-SX3148-P1	EE-SX3009-P1 /4009-P1	EE-SX3162 /4162-P1(-Z),P2	EE-SX3163 /4163-P1,P2	EE-SX3164 /4164-P1,P2	EE-SX1018	EE-SX1103	EE-SX1105	EE-SX493	EE-SX1055
					Transmissive (Terminal)				
		NEW! 	NEW! 	NEW! 					
Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole
3.6mm	5mm	5mm	5mm	5mm	2mm	2mm	2mm	2mm	2.8mm
P-IC	P-IC	P-IC	P-IC	P-IC	PTTr	PTTr	PTTr	P-IC	PTTr
0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.4mm	0.4mm	0.2mm	0.5mm
26×6.4×13.5	34×11×21	13×16×14	13.6×13.3×14.7	22.6×8.3×14	8×4×6	5×4.2×5.2	4.9×2.6×3.3	11×8×9.7	8.9×4×5.4
A boss on one side enables securing the Sensor	High-resolution model	Connector with lock manufactured	Connector with lock manufactured	Connector with lock manufactured	Compact	Ultra-compact	Ultra-compact	High-resolution model	Compact
EE-SX1042	EE-SX1035	EE-SX1070 /3070,4070	EE-SX1140	EE-SX129	EE-SH3	EE-SV3	EE-SX1088 /3088,4088	EE-SX1096	EE-SG3 /SG3-B
									
Through-hole	Through-hole	Through-hole	Through-hole	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting	Screw Mounting
5mm	5.2mm	8mm	14mm	3mm	3.4mm	3.4mm	3.4mm	3.4mm	3.6mm
PTTr	PTTr	PTTr/P-IC	PTTr	PTTr	PTTr	PTTr	PTTr/P-IC	PTTr	PTTr
0.5mm	1mm	0.5mm	1.5mm	0.2mm	0.2/0.5/1mm	0.2/0.5/1mm	0.5mm	0.5mm	2mm
14×5×14.5	12.6×6.3×6.9	17.7×6×10	23×5×16.3	13×11×8	25.4×6.2×10.4	15.1×19×10.4	25×6×10	25×6×10	25.4×6.35×11.7
High profile Without a positioning boss*4	Compact with wide slot	Wide slot, With a positioning boss	Wide slot	High-resolution model	High-resolution model	High-resolution model	General purpose	Horizontal aperture	Dustproof
EE-SY110 /310,410	EE-SF5 /SF5-B	EE-SB5	EE-SA105	EE-SA103	EE-SA104	EE-SA407-P2	EE-SA401-P12	B5W-LA01	Z4D-C01
								Convergent Reflective	Micro Displacement
									
Through-hole	Through-hole	Screw Mounting	Through-hole	Through-hole	Through-hole	Snap-In	Snap-In	Screw Mounting	Screw Mounting
5mm	5mm	5mm	2.1mm	3mm	3mm	3.6mm	3mm	70mm	6.5±1mm
PTTr/P-IC	PTTr	PTTr	PTTr	PTTr	PTTr	P-IC	P-IC	PTTr	Micro Displacement
not applicable	not applicable	not applicable	not applicable	0.5mm	0.5mm	0.5mm	0.5mm	not applicable	not applicable
12×4.6×4.8	13×5.7×8	25.4×6.35×11.5	9.4×4.4×14.2	9×4×6	9×4×9.7	27×8×21.9	30×11×18.5	40×8.4×13.3	35.5×15×16
General purpose	Dustproof	Dustproof	Low operating force	Side attachment	Top attachment	Top attachment	Long distance	Detects transparent objects	Resolution: ±10 μm

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