

**Omron Electronic Components Europe B.V.**

Sales Division France  
14, rue de Lisbonne  
93561 Rosny Sous Bois  
France  
Tel: +33 1 56 63 19 00  
Fax: +33 1 48 55 97 75

**Omron Electronic Components Europe B.V.**

Sales Division Central Europe  
Gruber Strasse 60d  
85586 Poing  
Germany  
Tel: +49 8121 77240  
Fax: +49 8121 772440

**Omron Electronic Components Europe B.V.**

Sales Division Italy  
Viale Certosa 49  
20149 Milano  
Italy  
Tel: +39 02 3268 850  
Fax: +39 02 3268 851

**Omron Electronic Components Europe B.V.**

Sales Division Benelux  
Wegalaan 57  
2132 JD Hoofddorp  
The Netherlands  
Tel: +31 23 568 1200  
Fax: +31 23 568 1212

**Omron Electronic Components Europe B.V.**

Sales Division Iberia  
Arturo Soria 95  
28027 Madrid  
Spain  
Tel: +34 91 377 7900  
Fax: +34 91 377 7987

**Omron Electronic Components Europe B.V.**

Sales Division Nordic  
Box 1275  
Norgegatan 1  
S-164 32 Kista  
Sweden  
Tel: +46 8 632 3520  
Fax: +46 8 632 3535

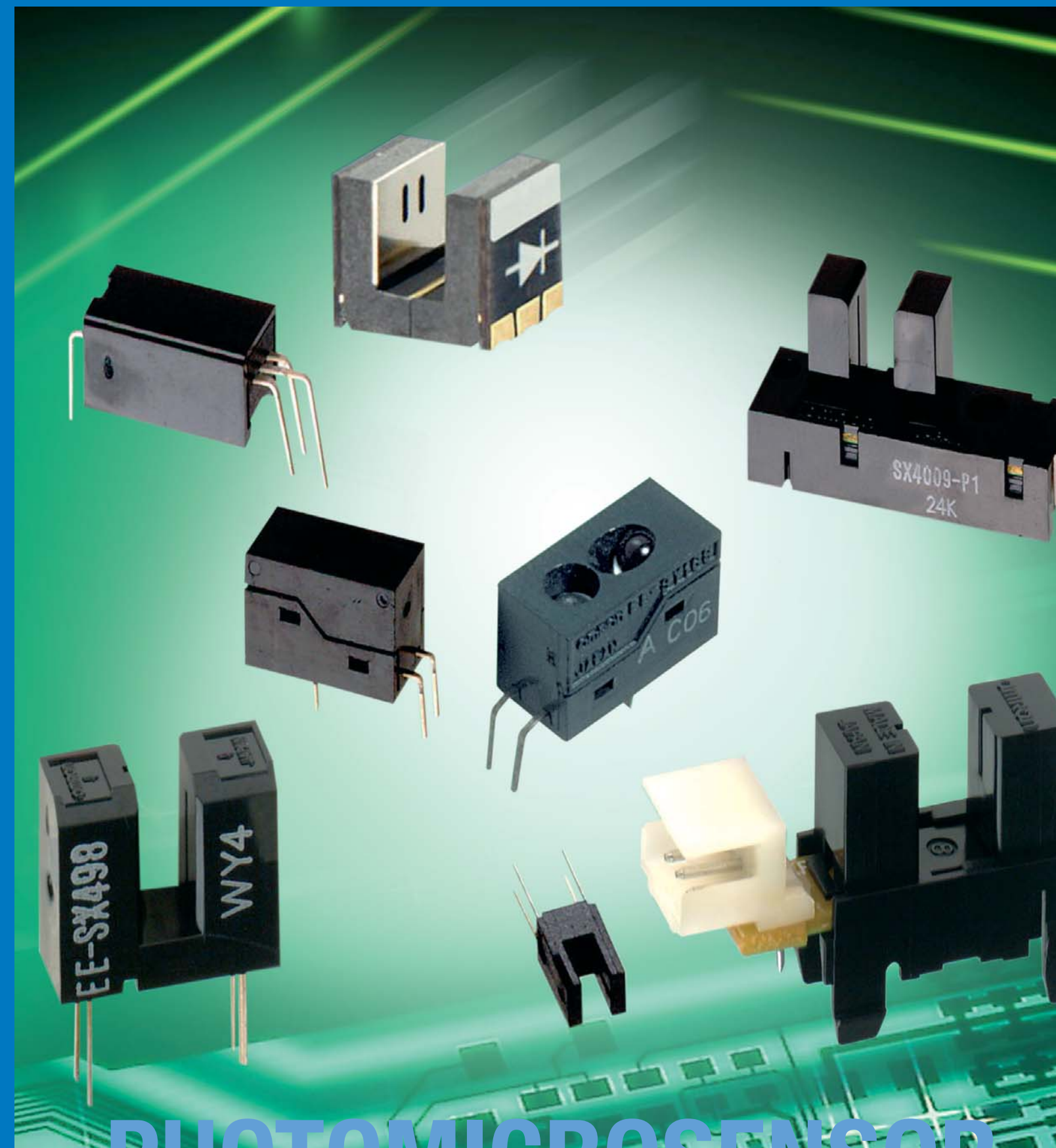
**Omron Electronic Components Europe B.V.**

Sales Division United Kingdom & Ireland  
1 Bishop Square, Hatfield Business Park  
Hatfield, Hertfordshire AL10 9NE  
United Kingdom  
Tel: +44 870 750 5661  
Fax: +44 870 750 5662

**Omron Component Business B.V.**

Emerging Markets Operations  
CBC 1  
Karadžičova 8  
821 08 Bratislava  
Slovakia  
Tel: +421 2582 40950  
Fax: +421 2582 40999

[www.omroncomponents.com](http://www.omroncomponents.com)



# PHOTOMICROSENSOR

## Selector Guide

*Head Office*

**Omron Electronic Components Europe B.V.**

Wegalaan 57  
2132 JD Hoofddorp  
The Netherlands

Tel: +31 23 568 1200  
Fax: +31 23 568 1222

# PHOTOMICROSENSOR SELECTOR GUIDE



Model	EE-SX1107	EE-SX1018	EE-SX1103	EE-SX1105	EE-SX1108	EE-SX1131	EE-SX4134	EE-SX493	EE-SX1055	EE-SX1046	EE-SX1082	EE-SX1106	EE-SX1109	EE-SX199	EE-SX398 /498	EE-SV3	EE-SX1071	EE-SX1096
	Transmissive slot width up to 3mm										Transmissive slot width 3mm - < 5mm							
<b>Dimensions (LxWxH)</b>	3.4 x 3 x 3	8 x 4 x 6	5 x 4.2 x 5.2	4.9 x 2.6 x 3.3	5 x 4 x 4	5 x 4 x 4	5 x 4 x 4	11 x 8 x 9.5	8.9 x 4 x 5.4	10 x 6.5 X 5	10 x 6.5 x 5.2	6.4 x 4.2 x 5.4	6 x 4 x 5	12.2 x 5 x 10	12.2 x 5 x 10	19 x 15.1 x 10.2	13.6 x 6.2 x 10.2	25 x 6 x 10
<b>Sensing method</b>	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
<b>Sensing Distance</b>	1mm	2mm	2mm	2mm	2mm	2mm	2mm	2mm	2.8mm	3mm	3mm	3mm	3mm	3mm	3mm	3.4mm	3.4mm	3.4mm
<b>Aperture Size</b>	0.15mm	0.5mm	0.4mm	0.4mm	0.3mm	0.3mm	0.3mm	0.2mm	0.5mm	0.5mm	0.2mm	0.4mm	0.5mm	0.5mm	0.5mm	0.2/0.5/1.0mm	0.5mm	0.5mm
<b>Emitter Wavelength</b>	940nm	940nm	950nm	950nm	940nm	940nm	940nm	940nm	940nm	920nm	920nm	950nm	940nm	940nm	940nm	940nm	940nm	940nm
<b>Mounting Type</b>	Surface Mount	Through-hole	Through-hole	Through-hole	Surface Mount	Surface Mount	Surface Mount	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Surface Mount	Through-hole	Through-hole	Through-hole	Through-hole	Lead Wires

Model	EE-SX1088	EE-SH3	EE-SX3088 /4088	EE-SG3 /SG3B	EE-SX1057	EE-SX1128	EE-SX1041	EE-SX1042	EE-SX1081	EE-SX1235A -P2	EE-SX3009- P1/4009-P1	EE-SX4019 -P2	EE-SX3081 /4081	EE-SX4235A -P2	EE-SX1070	EE-SX3070 /4070	EE-SX1140	EE-SX461 -P11
	Transmissive slot width 3mm								Transmissive slot width 5mm - 8mm							Transmissive slot width over 12mm		
<b>Dimensions (LxWxH)</b>	25 x 6 x 10	25.4 x 6.2 x 10.2	25 x 6 x 10	25.4 x 6.3 x 11.5	13 x 6.3 x 8.6	13.5 x 5.2 x 9.3	14 x 6 x 10	14 x 5 x 14.5	13.7 x 5 x 10	27 x 8 x 15.9	34 x 11 x 21	38 x 11 x 21	13.7 x 5 x 10	27 x 8 x 15.9	17.7 x 6 x 10	17.7 x 6 x 10	23 x 5 x 16.3	32.5 x 12 x 23.6
<b>Sensing method</b>	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
<b>Sensing Distance</b>	3.4mm	3.4mm	3.4mm	3.6mm	3.6mm	4.2mm	5mm	5mm	5mm	5mm	5mm	5mm	5mm	5mm	8mm	8mm	14mm	15mm
<b>Aperture Size</b>	0.5mm	0.2/0.5/1.0mm	0.5mm	2.0mm	2.0mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	1.5mm	2.0mm
<b>Emitter Wavelength</b>	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm
<b>Mounting Type</b>	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Snap-In	Screw Mounting	Screw Mounting	Through-hole	Snap-In	Through-hole	Through-hole	Through-hole	Snap-In

Model	EE-SY124	EE-SY125	EE-SY193	EE-SY171	EE-SY169A /B	EE-SY113	EE-SY313 /413	EE-SF5B	EE-SY110	EE-SY310 /410	EE-SA102	EE-SA103	EE-SA104	EE-SA107 -P2	EE-SA407 -P2	Z4D-B01	EY3A-1081	EY3A-112	
	Reflective Type										Actuator Type					Micro Displacement	Multi-beam		
<b>Dimensions (LxWxH)</b>	4 x 4 x 1.7	4 x 5 x 1.7	3.4x2.7 x 1	15 x 4.2 x 3	12.5 x 6 x 8	15.2 x 6.2 x 6	15.2 x 6.2 x 6	13 x 5.4 x 8	15.2 x 4.6 x 4.8	17 x 4.6 x 4.8	17 x 6 x 16.5	9 x 4 x 6	9 x 4 x 9.7	27 x 8 x 21.9	27 x 8 x 21.9	15 x 35.5 x 20	56.3 x 32 x 15	73 x 32 x 17.3	
<b>Sensing method</b>	Reflective	Reflective	Reflective	Reflective	Reflective	Reflective	Reflective	Reflective	Reflective	Reflective	Actuator	Actuator	Actuator	Actuator	Actuator	Micro Displacement	Multi-beam	Multi-beam	
<b>Sensing Distance</b>	1mm	1mm	1mm	3.5mm	4mm	4.4mm	4.4mm	5mm	5mm	5mm	3mm	3mm	3mm	3.6mm	3.6mm	6.5mm +-1mm	80mm	125mm	
<b>Aperture Size</b>	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm	not applicable	not applicable	not applicable	
<b>Emitter Wavelength</b>	940nm	940nm	940nm	940nm	920nm	940nm	920nm	940nm	940nm	920nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	940nm	
<b>Mounting Type</b>	Through-hole	Surface Mount	Surface Mount	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Through-hole	Snap-in	Snap-in	Screw Mounting	Screw Mounting	Screw Mounting	