



# THE DATASHEET OF EE-SX3340

High Reliability and an Extensive Lineup allow these Omron products to fit into various applications.

OMRON

New

# EE-SX Photomicrosensor Series Surface Mount Type Family

Extensive  
Lineup

Wide Range of product offerings include 2-5 mm slot width options with Phototransistor, Photo-IC and 2-channel output capabilities.

Reliable SMT  
Technology

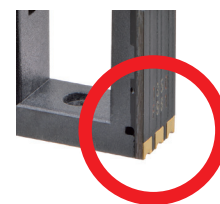
Side printed solder joints grant highly reliable surface mount connections to printed circuit boards.



## The Technological Outline

| Transmissive type SMD          |                         |                                           |                                                   |                                           |                                           |                                             |
|--------------------------------|-------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------------------------|
| Model                          | Photo transistor Output | EE-SX1320                                 | EE-SX1321<br>(2 ch Type)                          | EE-SX1330                                 | EE-SX1340                                 | EE-SX1350                                   |
|                                | Photo-IC Output         | EE-SX4320                                 | —                                                 | —                                         | EE-SX3340<br>EE-SX4340                    | EE-SX3350<br>EE-SX4350                      |
| Appearance                     |                         |                                           |                                                   |                                           |                                           |                                             |
| Slot width                     |                         | 2mm                                       | 2mm                                               | 3mm                                       | 4mm                                       | 5mm                                         |
| Aperture width<br>W × H (mm)   |                         | Emitter : 1.4 × 1.4<br>Receiver : 0.3 × 1 | Emitter : 1.4 × 1.4 (1)<br>Receiver : 0.3 × 1 (2) | Emitter : 1.4 × 1.4<br>Receiver : 0.3 × 1 | Emitter : 1.4 × 1.4<br>Receiver : 0.3 × 1 | Emitter : 1.4 × 1.4<br>Receiver : 0.5 × 1.4 |
| Housing size<br>W × D × H (mm) |                         | 5.1 × 4 × 4                               | 5.1 × 4 × 4                                       | 6 × 4 × 5                                 | 8 × 4 × 5.5                               | 9 × 4 × 9                                   |

### Features



\*The side terminal/ flat bottomed solder joints, enable stable surface mount connections with high-reliability performance.

## Application

### ■ For equipment downsizing

Business equipment  
(label printer)



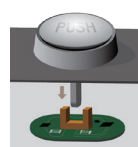
Network Camera



Business phone  
(Hook switch)



Push button  
(non-contact switch)



### ■ For equipment using double-sided PC boards

3D printer



Coffee server



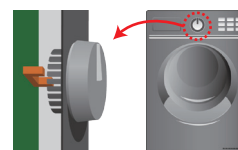
Water pump



Gas meter



Home appliance  
(Knob module)



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