

# EE-SX47/67 NEW

## Photomicrosensor with 50- to 100-mA direct switching capacity for built-in application.

- Series includes models that enable switching between dark-ON and light-ON operation.
- Response frequency as high as 1 kHz.
- Easy operation monitoring with bright light indicator.
- Wide operating voltage range: 5 to 24 VDC
- Models in which the light indicator turns ON for dark-ON operation are also available.
- A wide range of variations in eight different shapes.
- Flexible robot cable is provided as a standard feature. \*2



Be sure to read *Safety Precautions* on page 8.

\*1. Only the EE-SX67 Series has pre-wired models.  
\*2. Pre-wired models only.

## Ordering Information

### Connector models










Infrared light

Appearance	Sensing method	Connect-ing method	Sensing distance		Output configuration	Indicator mode	Model	
							NPN output	PNP output
Standard 	Through-beam type (with slot)	Connector (4 poles)	<span style="border: 1px solid pink; display: inline-block; width: 15px; height: 10px;"></span>	5 mm (slot width)	Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX670	EE-SX670P
						No incident light	EE-SX670A	EE-SX670R
L-shaped 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX671	EE-SX671P
						No incident light	EE-SX671A	EE-SX671R
T-shaped 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX672	EE-SX672P
						No incident light	EE-SX672A	EE-SX672R
Close-mounting 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX673	EE-SX673P
						No incident light	EE-SX673A	EE-SX673R
Close-mounting 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX473	EE-SX473P
						No incident light	EE-SX674A	EE-SX674R
T-shaped, slot center: 10 mm 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX675 <span style="color: red;">NEW</span>	EE-SX675P <span style="color: red;">NEW</span>
						No incident light	EE-SX674A	EE-SX674R
F-shaped 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX676 <span style="color: red;">NEW</span>	EE-SX676P <span style="color: red;">NEW</span>
						No incident light	EE-SX674A	EE-SX674R
R-shaped 					Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX677 <span style="color: red;">NEW</span>	EE-SX677P <span style="color: red;">NEW</span>
						No incident light	EE-SX674A	EE-SX674R

\*3. These models can be used as Light-ON when the L terminal and positive (+) terminal are connected to each other. To use them as Dark-ON, do not connect these terminals to each other. When used at light-ON, it is useful to select the connector EE-1001-1. The L terminal and positive (+) terminal of this connector are short-circuited in advance.

Pre-wired Models and Models with Junction Connectors

 Infrared light

Appearance	Sensing method	Sensing distance		Output configuration	Indicator mode	Connecting method	Model	
							NPN output	PNP output
Standard 	Through-beam type (with slot)		5 mm (slot width)	Dark-ON/ Light-ON (selectable) *	Incident light	Pre-wired models (1 m)	EE-SX670-WR <u>NEW</u>	EE-SX670P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX670-C1J-R <u>NEW</u>	EE-SX670P-C1J-R <u>NEW</u>
L-shaped 						Pre-wired models (1 m)	EE-SX671-WR <u>NEW</u>	EE-SX671P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX671-C1J-R <u>NEW</u>	EE-SX671P-C1J-R <u>NEW</u>
T-shaped, slot center: 7 mm 						Pre-wired models (1 m)	EE-SX672-WR <u>NEW</u>	EE-SX672P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX672-C1J-R <u>NEW</u>	EE-SX672P-C1J-R <u>NEW</u>
Close-mounting 						Pre-wired models (1 m)	EE-SX673-WR <u>NEW</u>	EE-SX673P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX673-C1J-R <u>NEW</u>	EE-SX673P-C1J-R <u>NEW</u>
Close-mounting 						Pre-wired models (1 m)	EE-SX674-WR <u>NEW</u>	EE-SX674P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX674-C1J-R <u>NEW</u>	EE-SX674P-C1J-R <u>NEW</u>
T-shaped, slot center: 10 mm 						Pre-wired models (1 m)	EE-SX675-WR <u>NEW</u>	EE-SX675P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX675-C1J-R <u>NEW</u>	EE-SX675P-C1J-R <u>NEW</u>
F-shaped 						Pre-wired models (1 m)	EE-SX676-WR <u>NEW</u>	EE-SX676P-WR <u>NEW</u>
						Models with junction connectors (0.1 m)	EE-SX676-C1J-R <u>NEW</u>	EE-SX676P-C1J-R <u>NEW</u>
R-shaped 	Pre-wired models (1 m)	EE-SX677-WR <u>NEW</u>	EE-SX677P-WR <u>NEW</u>					
	Models with junction connectors (0.1 m)	EE-SX677-C1J-R <u>NEW</u>	EE-SX677P-C1J-R <u>NEW</u>					

\* These models can be used as Light-ON when the L line and positive (+) line are connected to each other. To use them as Dark-ON, do not connect these lines to each other.

Accessories for Models with Connectors (Order Separately)

Type	Cable length	Model	Remarks
Connector		EE-1001	
		EE-1001-1	L terminal and positive (+) terminal are already short-circuited.
		EE-1009	
Connector with Cable	1 m	EE-1006	
		EE-1010	
	2 m	EE-1006	
EE-1010			
Connector with Robot Cable	1 m	EE-1010-R	
	2 m	EE-1010-R	
Connector Hold-down Clip		EE-1006A	For EE-1006 only.

Accessories for Models with Junction Connectors (Order Separately)

Type	Cable length	Model	Remarks
Connector with Robot Cable	2m	EE-1016-R-1 <u>NEW</u>	For EE-SX67□-C1J-R.