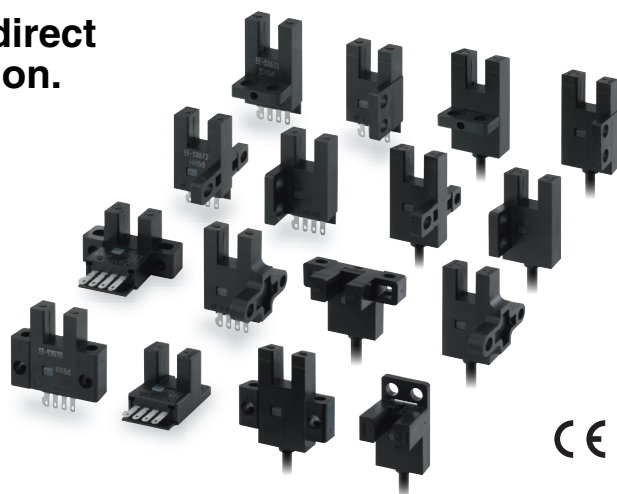## Photomicrosensor with 50- to 100-mA direct switching capacity for built-in application.

- 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 5.

*1. Pre-wired Models are available only in the EE-SX67 Series.
*2. Only for Pre-wired Models and Pre-wired Connector Models.

Ordering Information

Connector

☐ Infrared light

Appearance		Sensing method	Connecting method	Sensing distance		Output configuration	Indicator mode	Model	
								NPN output	PNP output
Standard		Through-beam type (with slot)	Connector (4 poles)		5 mm (slot width)	Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX670	EE-SX670P
							No incident light	EE-SX670A	EE-SX670R
						Light-ON	Incident light	EE-SX470	EE-SX470P
L-shaped						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX671	EE-SX671P
							No incident light	EE-SX671A	EE-SX671R
						Light-ON	Incident light	EE-SX471	EE-SX471P
T-shaped, slot center 7 mm						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX672	EE-SX672P
							No incident light	EE-SX672A	EE-SX672R
						Light-ON	Incident light	EE-SX472	EE-SX472P
Close-mounting						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX673	EE-SX673P
							No incident light	EE-SX673A	EE-SX673R
						Light-ON	Incident light	EE-SX473	EE-SX473P
Close-mounting						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX674	EE-SX674P
							No incident light	EE-SX674A	EE-SX674R
						Light-ON	Incident light	EE-SX474	EE-SX474P
T-shaped, slot center 10 mm						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX675	EE-SX675P
F-shaped						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX676	EE-SX676P
R-shaped						Dark-ON/Light-ON (selectable) *3	Incident light	EE-SX677	EE-SX677P

*3. Dark-ON when the L terminal of the connector is opened, and light-ON when the L terminal and positive (+) terminal are connected. Do not connect the L terminal to 0 V when using dark-ON operation. When using light-ON, it is useful to select the connector EE-1001-1. The L terminal and positive (+) terminal of this connector are connected in advance.

Pre-wired Models, Models with 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 (1m)	**EE-SX670-WR 1M**	**EE-SX670P-WR 1M**
								Models with connectors (0.1m)	**EE-SX670-C1J-R 0.1M**	**EE-SX670P-C1J-R 0.1M**
L-shaped								Pre-wired Models (1m)	**EE-SX671-WR 1M**	**EE-SX671P-WR 1M**
								Models with connectors (0.1m)	**EE-SX671-C1J-R 0.1M**	**EE-SX671P-C1J-R 0.1M**
T-shaped, slot center 7 mm								Pre-wired Models (1m)	**EE-SX672-WR 1M**	**EE-SX672P-WR 1M**
								Models with connectors (0.1m)	**EE-SX672-C1J-R 0.1M**	**EE-SX672P-C1J-R 0.1M**
Close-mounting								Pre-wired Models (1m)	**EE-SX673-WR 1M**	**EE-SX673P-WR 1M**
								Models with connectors (0.1m)	**EE-SX673-C1J-R 0.1M**	**EE-SX673P-C1J-R 0.1M**
Close-mounting								Pre-wired Models (1m)	**EE-SX674-WR 1M**	**EE-SX674P-WR 1M**
								Models with connectors (0.1m)	**EE-SX674-C1J-R 0.1M**	**EE-SX674P-C1J-R 0.1M**
T-shaped, slot center 10 mm								Pre-wired Models (1m)	**EE-SX675-WR 1M**	**EE-SX675P-WR 1M**
								Models with connectors (0.1m)	**EE-SX675-C1J-R 0.1M**	**EE-SX675P-C1J-R 0.1M**
F-shaped								Pre-wired Models (1m)	**EE-SX676-WR 1M**	**EE-SX676P-WR 1M**
								Models with connectors (0.1m)	**EE-SX676-C1J-R 0.1M**	**EE-SX676P-C1J-R 0.1M**
R-shaped								Pre-wired Models (1m)	**EE-SX677-WR 1M**	**EE-SX677P-WR 1M**
								Models with connectors (0.1m)	**EE-SX677-C1J-R 0.1M**	**EE-SX677P-C1J-R 0.1M**

* Dark-ON operation can be used when the L terminal is left unconnected or Light-ON operation can be used when the L terminal and positive (+) terminal are connected to each other. Do not connect the L terminal to 0 V when using dark-ON operation.

Accessories (Order Separately)   Connector Models

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.

* Refer to *Accessories* for details.

Accessories (Order Separately)   Models with Connectors

Type	Cable length	Model	Remarks
Connector with Robot Cable	2 m	**EE-1016-R-1**	For EE-SX67☐-C1J-R only.