

Product Discontinuation Notices

Photomicro Sensors

August 1, 2011

No. 2011254E

Discontinuation Notice of Photomicrosensors EE-SPX311/411, EE-SPX301-A, EE-SPX410

Product Discontinuation



EE-SPX311
EE-SPX411
EE-SPX301-A
EE-SPX410



Recommended Replacement

EE-SPX613 1M

No recommended replacement

Discontinuation date : The end of March, 2012

Caution on recommended replacement

It is different from dimension of product discontinuation and recommended replacement.
Make sure of the mounting space and positioning.
The EE-SPX613 is upper compatible type of the EE-SPX311/411.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
EE-SPX613 1M	**	--	**	*	*	**	**

** : Fully compatible

* : The change is a little/Almost compatible

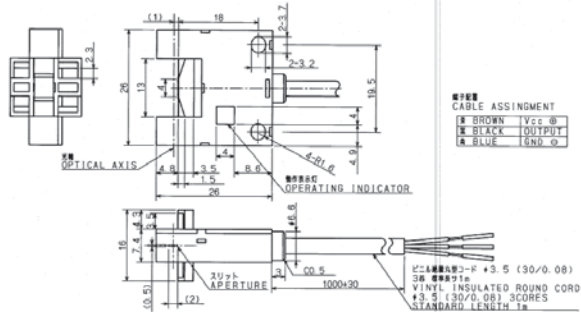
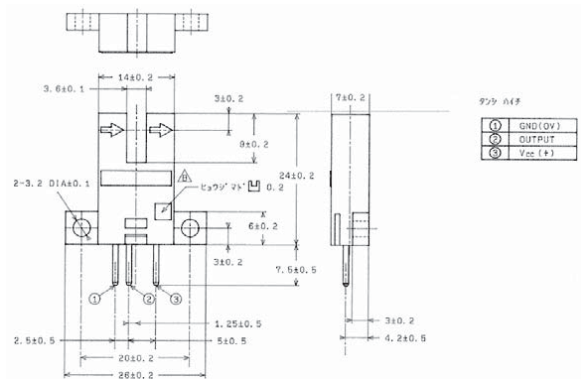
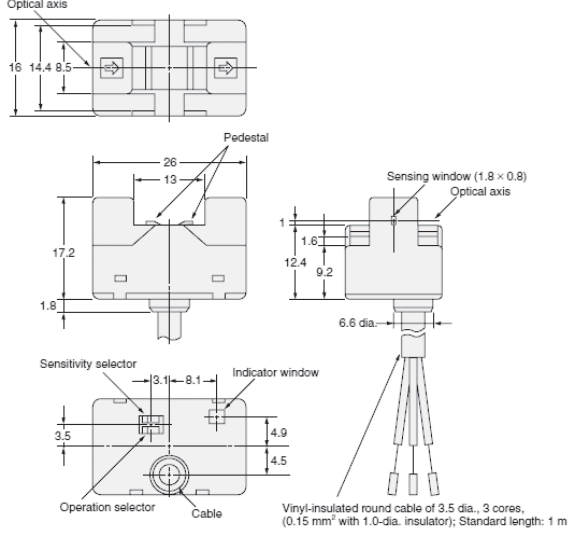
-- : Not compatible

- : No corresponding specification

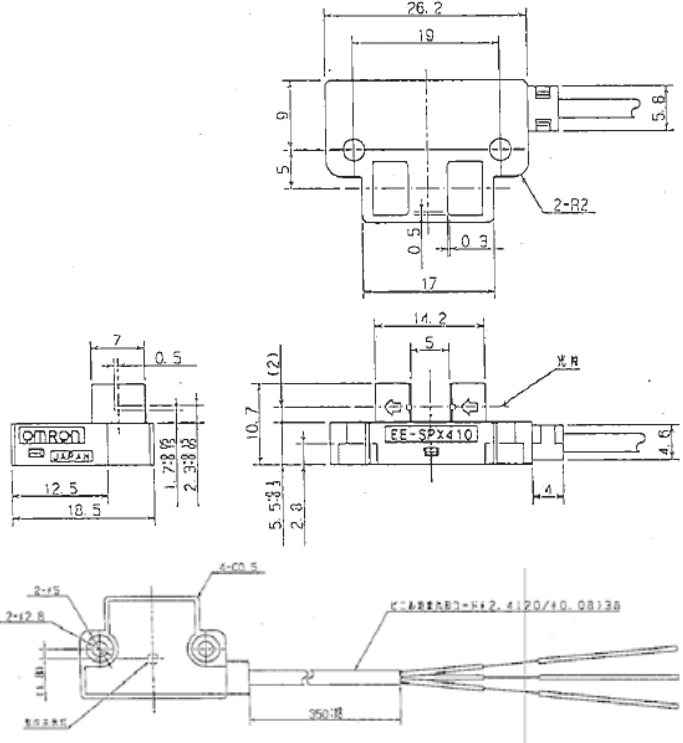
Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
EE-SPX311	EE-SPX613 1M
EE-SPX411	
EE-SPX301-A	No recommended replacement
EE-SPX410	No recommended replacement

Dimensions

Product discontinuation	Recommendable replacement
<p style="text-align: center;">EE-SPX311 / EE-SPX411</p>  <p style="text-align: center;">EE-SPX301-A</p> 	<p style="text-align: center;">EE-SPX613 1M</p>  <p style="text-align: center; font-size: 1.2em;">No recommended replacement</p>

Dimensions

Product discontinuation	Recommendable replacement
<p data-bbox="244 387 392 418">EE-SPX410</p>  <p>The technical drawing for EE-SPX410 includes the following views and dimensions:</p> <ul style="list-style-type: none"> Top View: Overall width 26.2, inner width 19, height 9, and bottom width 17. It shows two circular features with diameters of 0.5 and 0.3, and a feature labeled '2-R2'. Side View: Overall length 14.2, with a 5-unit section. It shows a feature labeled 'R.H.' and a length of 4.6. Bottom View: Overall length 10.7, with a 5.5±0.1 section and a 2.0 section. It shows a feature labeled 'EE-SPX410' and a length of 4. Detail View (Top Left): Shows a component with a 'COMRON' logo and 'JAPAN' text. Dimensions include 7, 0.5, 12.5, 1.7±0.05, 1.8±0.05, and 18.5. Detail View (Bottom Left): Shows a component with dimensions 2-1.5, 2-12.8, 4-10.5, 4-11.1, and 4-11.1. A note indicates 'K: 4.888888888888889E+2, 4.120/10, 0.8138'. Bottom View (Bottom): Shows a length of 350±18. 	<p data-bbox="1054 577 1278 645">No recommended replacement</p>

Characteristics

Item	Product discontinuation		Recommended replacement EE-SPX613 1M	
	EE-SPX311	EE-SPX411		
Supply voltage	12 to 24 VDC \pm 10% ripple (p-p): 5% max.		12 to 24 VDC \pm 10% ripple (p-p): 5% max.	
Current consumption	Average: 15 mA max., Peak 50 mA max.		Average: 30 mA max., Peak 80 mA max.	
Sensing distance	13 mm (slot width)		13 mm (slot width)	
Sensing object	Liquids in pipes		Liquids in pipes	
Indicator	The indicator is a GaP red LED		The indicator is a GaP red LED (peak emission wavelength of 700 nm)	
Control output	NPN open collector: Load power supply voltage: 5 to 24 VDC Load current: 80 mA max. 80 mA load current with a residual voltage of 0.8 V max. 10 mA load current with a residual voltage of 0.4 V max.		NPN open collector: Load power supply voltage: 5 to 24 VDC Load current: 100 mA max. 100 mA load current with a residual voltage of 0.8 V max. 40 mA load current with a residual voltage of 0.4 V max.	
State of Output transistor	When a pipe is not filled with liquid	OFF	ON	OFF(D-ON) [ON (L-ON)]
	When a pipe is filled with liquid	ON	OFF	ON(D-ON) [OFF (L-ON)]
Ambient illumination	3,000 lx max. with incandescent light or sunlight on the surface of the receiver		3,000 lx max. with incandescent light or sunlight on the surface of the receiver	
Connecting method	Pre-wired (Standard length: 1 m)		Pre-wired (Standard length: 1 m)	
Enclosure rating	IEC IP50		IEC IP50	
Vibration resistance	Destruction : 10 to 55 Hz 0.75 mm single amplitude for 2 hours		Destruction : 10 to 500 Hz 1.0 mm single amplitude or 150 m/s ² in X, Y, Z directions 3 times and for 11 min each	
Shock resistance	Destruction: 500 m/s ² for 3 times each in X, Y, and Z directions		Destruction: 500 m/s ² for 3 times each in X, Y, and Z directions	
Ambient temperature	Operating: -10 to 55°C Storage: -25 to 65°C (with no icing or condensation)		Operating: -10 to 55°C Storage: -25 to 65°C (with no icing or condensation)	
Ambient humidity	Operating: 5 to 85% Storage: 5 to 95% (with no condensation)		Operating: 5 to 85% Storage: 5 to 95% (with no condensation)	