OMRON

Selection Guide

■ Photomicrosensors

Classified According to Product model Transmissive Models (Groove-type)



* O Indicates models with indicators that light red when the light is interrupted.

Infrared light

	Sensing dis-		nsina dis-			Output		Model			
Appearance			tance	Configuration Features configuration		Indicator*	NPN output	PNP output			
18								Dark-ON		EE-SX770	EE-SX770P
30.1							Bank Oil	0	EE-SX770A	EE-SX770R	
					Subminiature,	Light-ON		EE-SX870	EE-SX870P		
4.6					slim, pre-wired	Light-ON	0	EE-SX870A	EE-SX870R		
18					models	Dark-ON		EE-SX771	EE-SX771P		
					Emitter-Detector	Dark-ON	0	EE-SX771A	EE-SX771R		
20 13						1: 1: 01		EE-SX871	EE-SX871P		
					2 mm	Light-ON	0	EE-SX871A	EE-SX871R		
12.3					- 0.8 mm	David ON		EE-SX772	EE-SX772P		
						Dark-ON	0	EE-SX772A	EE-SX772R		
31.1								EE-SX872	EE-SX872P		
						Light-ON	0	EE-SX872A	EE-SX872R		
							_	EE 0V070	EE OVCZOD		
22.2						Dark-ON/ Light-ON		EE-SX670	EE-SX670P		
6.95		_	mm			(selectable)	0	EE-SX670A	EE-SX670R		
25.4			mm groove width)	IR light		,		LL-OX070A	EE-OXO7011		
					Dark-ON/		EE-SX671	EE-SX671P			
15.5					Conoral purposa	Light-ON					
26.2				General-purpose models with con-		(selectable)	0	EE-SX671A	EE-SX671R		
						nectors					
22.2					Foritte of Detection	Dark-ON/		EE-SX672	EE-SX672P		
E-THEFT J					Emitter-Detector	Light-ON (selectable)					
13.4							0	EE-SX672A	EE-SX672R		
					0.8 mm			FF 0.4070	EE OVOZOB		
22.2						Dark-ON/		EE-SX673	EE-SX673P		
12.8						Light-ON (selectable)	0	EE-SX673A	EE-SX673R		
13.4								LL-3X0/3A	LL-3X073H		
							Dark-ON/		EE-SX674	EE-SX674P	
15.5						Light-ON					
21.5						(selectable)	0	EE-SX674A	EE-SX674R		
13.6											
1						Dark-ON		EE-SPX740			
21.2						nectors					
25 7.4					Models with con-			EE-SPX840			
					nectors						
21.2		3.6	 6 mm		Emitter-Detector	Dark-ON		EE-SPX742			
17			roove width)			Light-ON		EE-SPX842			
13				Modulated	1 mm - 0.5 mm	Light-ON		LL-3FA042			
21.2				light	nt Dark-ON —		EE-SPX743				
						24 011		5. M. 19			
						Light-ON		EE-SPX843			
13 / 1						J J					
21.2					Models with connectors	Dark-ON		EE-SPX741			
6.95			mm		2 mm Emitter-De- tector						
27.2		(6	groove width)		0.8 mm	Light-ON		EE-SPX841			

Classified According to Product Model Transmissive Models (Groove-type)



____ Infrared light

Appearance	,	Sensing dis- tance	Configuration	Features	Output configura- tion	Model									
21.2					Dark-ON	EE-SPX302-W2A									
13				Pre-wired models	Light-ON	EE-SPX402-W2A									
21.2		2.6		Emitter-Detector	Dark-ON	EE-SPX304-W2A									
77 713		3.6 mm (groove width)		1 mm - 0.5 mm	Light-ON	EE-SPX404-W2A									
21.2			Modulated light		Dark-ON	EE-SPX306-W2A									
25					Light-ON	EE-SPX406-W2A									
27.2											5 mm		Models with connectors	Dark-ON	EE-SPX305-W2A
14.5						(groove width)		2 mm Emitter-Detector - 0.8 mm	Light-ON	EE-SPX405-W2A					
26		13 mm		2.2	Dark-ON	EE-SPX303									
7.4			(groove width)		Light-ON	EE-SPX403									

Transmissive Models



Infrared light

Appearance	Sensing dis- tance	Configuration	Features	Output configura- tion	Model
27 (4)			Miniature size Bright, easy-to-see,		EE-SPW311
25.4	8 1 m	- Modulated light -	ON-state indicator	Light-ON	EE-SPW411
			Miniature, slim Excellent space effi-	Dark-ON	EE-SPW321 EE-SPW321-A
	300 mm		ciency	Light-ON	EE-SPW421 EE-SPW421-A

Reflective Models



____ Infrared light

Appearance	Se	ensing dis- tance	Sensing method	Configu- ration	Features	Output configura- tion	Model		
Horizontal models						Dark-ON	EE-SPY311		
26 8				to E man	Conver- gent reflec-	Modulated	Minimal influ- ence from	Light-ON	EE-SPY411
Vertical models	2	! to 5 mm	tive models	light	background objects	Dark-ON	EE-SPY312		
26						Light-ON	EE-SPY412		

OMRON

Infrared light

Selection Guide

■ Photoelectric Sensors

Classified According to Product Model Reflective Models



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Appearance	Sensing dis- tance	Sensing method	Configura- tion	Features	Output configuration	Model
Horizontal models	1405 mm	Diffuse re-	Polarized	Equipped with sensitivity ad-	ivity ad- (selectable)	EE-SY671
Vertical models 25	1 to 5 mm	flective	light	justor		EE-SY672

■ Liquid Level Photomicrosensors

Classified According to Product Model

Appearance	Outer diameter of mounting pipe	Configura- tion	Features	Output configuration	Model
EE-SPX613	6 to 13 mm dia., thickness: 1 mm Transparent pipe	Light modu- lation	Easy mounting Equipped with sensitivity selector	Dark-ON/Light-ON (selectable)	EE-SPX613

■ Photomicrosensors to Detect Wafer-carrier Mounting

Classified According to Product Model							
Appearance	Sensing distance	Sensing method	Features	Output configuration	Model		
EE-SPY801/802	0 to 3 mm (wafer carrier)	Reflective (light modu- lation)	Wafer-carrier mounting detec- tion	Turns ON when wafer carrier is present.	EE-SPY80□		