

Built-in Amplifier Photoelectric Sensor


E3S-A

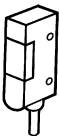

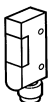
E3S-A



Ordering Information

E3S-A General-purpose Sensors

Connections	Appearance	Sensing method	Sensing distance	Operating modes	Output / timer functions	Model	
						NPN output	PNP output
Prewired		Through-beam	7 m	Light-ON Dark-ON (selectable)	---	E3S-AT11	E3S-AT31
					With timer and self-diagnostic functions	E3S-AT21	E3S-AT41
		Retroreflective	0.1 to 2 m (polarized)		---	E3S-AR11	E3S-AR31
					With timer and self-diagnostic functions	E3S-AR21	E3S-AR41
		Diffuse reflective	10 cm (light source: infra-red)		---	E3S-AD13	E3S-AD33
					With timer and self-diagnostic functions	E3S-AD23	E3S-AD43
			20 cm		---	E3S-AD11	E3S-AD31
					With timer and self-diagnostic functions	E3S-AD21	E3S-AD41
			70 cm (light source: infra-red)		---	E3S-AD12	E3S-AD32
					With timer and self-diagnostic functions	E3S-AD22	E3S-AD42

Connections	Appearance	Sensing method	Sensing distance	Operating modes	Output / timer functions	Model		
						NPN output	PNP output	
Prewired		Through-beam	7 m	Light-ON Dark-ON (selectable)	---	E3S-AT61	E3S-AT81	
			Retroreflective		0.1 to 2 m (polarized)	With timer and self-diagnostic functions	E3S-AT71	E3S-AT91
					Diffuse reflective	10 cm (light source: infrared)	---	E3S-AR61
		20 cm	With timer and self-diagnostic functions				E3S-AR71	E3S-AR91
		70 cm (light source: infrared)	---			E3S-AD63	E3S-AD83	
			With timer and self-diagnostic functions		E3S-AD73	E3S-AD93		
		---	E3S-AD61		E3S-AD81			
		With timer and self-diagnostic functions	E3S-AD71		E3S-AD91			
		---	E3S-AD62		E3S-AD82			
		With timer and self-diagnostic functions	E3S-AD72		E3S-AD92			
Connector		Through-beam	7 m	---	---	E3S-AT16	E3S-AT36	
			Retroreflective			0.1 to 2 m (polarized)	E3S-AR16	E3S-AR36
		Diffuse reflective				10 cm (light source: infrared)	E3S-AD18	E3S-AD38
			20 cm				E3S-AD16	E3S-AD36
			70 cm (light source: infrared)			E3S-AD17	E3S-AD37	
			Through-beam			7 m	---	---
	Retroreflective				0.1 to 2 m (polarized)	E3S-AR66		
			Diffuse reflective		10 cm (light source: infrared)	E3S-AD68		
	20 cm					E3S-AD66		
	70 cm (light source: infrared)				E3S-AD67	E3S-AD87		

Accessories (Order Separately)

[E3S-A General-purpose Sensor Accessories](#)

Name	Model	Remarks
Slit for Through-beam Sensor	E39-S46	2 mm, 1 mm, and 0.5 mm slits are sold in pairs, one each for the receiver and emitter of a through-beam model
Mounting Bracket for Vertical Sensor	E39-L59	Purchase two brackets for each through-beam model
	E39-L81	
Filter for Mutual Interference Prevention (for Through-beam Sensor)	E39-E6	4 filters are sold together for two through-beam models (2 filters each for the emitters and receivers)
Reflector for Optical Axis Adjustment (for Through-beam Sensor)	E39-R5	One only