

NO: PH-117
DATE: July 2008

PRODUCT: E3S-B Photoelectric Sensor
TYPE: Discontinuation Notice

E3S-B Subminiature Photoelectric Sensors Discontinued July 2008; Conditional Replacements Available

Effective end of July 2008, Omron will discontinue the E3S-B space-saving sensors due to non-RoHS compliancy. Conditional replacement products are available which comply with RoHS standards. Once the remaining stock is depleted, no more E3S-B products can be ordered.

To assist your customers' migration planning, the E3S-B data sheet and those for suggested replacements are attached to the end of this document.



Discontinued Parts

Model Number	Description
E3S-BT11	Horizontal, Through Beam, NPN, 2 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BT61	Right Angle, Through Beam, NPN, 2 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BT11-L	Emitter only for p/n E3S-BT11
E3S-BT61-L	Emitter only for p/n E3S-BT61
E3S-BT11-D	Receiver only for p/n E3S-BT11
E3S-BT61-D	Receiver only for p/n E3S-BT61
E3S-BT31	Horizontal, Through Beam, PNP, 2 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BT81	Right Angle, Through Beam, PNP, 2 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BT81-L	Emitter only for p/n E3S-BT31
E3S-BT31-D	Receiver only for p/n E3S-BT31
E3S-BT81-D	Receiver only for p/n E3S-BT81
E3S-BR11	Horizontal, Polarized Retroreflective, NPN, 1 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BR61	Right Angle, Polarized Retroreflective, NPN, 1 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BR11 5M	Horizontal, Polarized Retroreflective, NPN, 1 m Sensing Distance, IP67 Enclosure, 5 m cable
E3S-BR31	Horizontal, Polarized Retroreflective, PNP, 1 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BR81	Right Angle, Polarized Retroreflective, PNP, 1 m Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BD11	Horizontal, Diffuse Reflective, NPN, 200 mm Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BD61	Right Angle, Diffuse Reflective, NPN, 200 mm Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BD11 5M	Horizontal, Diffuse Reflective, NPN, 200 mm Sensing Distance, IP67 Enclosure, 5 m cable
E3S-BD31	Horizontal, Diffuse Reflective, PNP, 200 mm Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BD81	Right Angle, Diffuse Reflective, PNP, 200 mm Sensing Distance, IP67 Enclosure, 2 m cable
E3S-BT11-M1J	Horizontal, Through Beam, NPN, 2 m Sensing Distance, IP67 Enclosure, Pre-wired M12 Connector
E3S-BT61-M3J	Right Angle, Through Beam, NPN, 2 m Sensing Distance, IP67 Enclosure, Pre-wired M8 Connector
E3S-BT11-D-M1J	Receiver only for p/n E3S-BT11 with Pre-wired M12 Connector

Conditional Replacement Parts

E3Z and E3T data sheets are attached for complete specification comparisons with E3S-B models.

	Models	Key Differences				
		Orientation	Sensing Distance	Adjustable Sensitivity	Operation Mode	Dimensions
Discontinued Model	E3S-BT11	Horizontal	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-T61A*	Vertical	10 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BT61	Vertical	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-ST11*	Vertical	1 m	No	L-ON only	
Possible Replacement	E3T-ST12	Vertical	1 m	No	D-ON only	
Discontinued Model	E3S-BT31	Horizontal	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-T81A	Vertical	10 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BT81	Vertical	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-ST13	Vertical	1 m	No	L-ON only	
Possible Replacement	E3T-ST14	Vertical	1 m	No	D-ON only	
Discontinued Model	E3S-BR11	Horizontal	1 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-R61	Vertical	100 mm to 3 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BR61	Vertical	1 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-SR21	Vertical	10 to 200 mm	No	L-ON only	
Possible Replacement	E3T-SR22	Vertical	10 to 200 mm	No	D-ON only	
Discontinued Model	E3S-BR11 5M	Horizontal	1 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-R61 5M	Vertical	100 mm to 3 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BR31	Horizontal	1 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-R81	Vertical	100 mm to 3 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BR81	Vertical	1 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-SR23	Vertical	10 to 200 mm	No	L-ON only	
Possible Replacement	E3T-SR24	Vertical	10 to 200 mm	No	D-ON only	
Discontinued Model	E3S-BD11	Horizontal	200 mm	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-D62	Vertical	1 m	Yes	L-ON or D-ON	

Conditional Replacement Parts continued

E3Z and E3T data sheets are attached for complete specification comparisons with E3S-B models.

	Models	Key Differences				
		Orientation	Sensing Distance	Adjustable Sensitivity	Operation Mode	Dimensions
Discontinued Model	E3S-BD61	Vertical	200 mm	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-SL21	Vertical	5 to 30 mm	No	L-ON only	
Possible Replacement	E3T-SL22	Vertical	5 to 30 mm	No	D-ON only	
Discontinued Model	E3S-BD11 5M	Horizontal	200 mm	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-D62 5M	Vertical	1 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BD31	Horizontal	200 mm	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-D82	Vertical	1 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BD81	Vertical	200 mm	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3T-SL23	Vertical	5 to 30 mm	No	L-ON only	
Possible Replacement	E3T-SL24	Vertical	5 to 30 mm	No	D-ON only	
Discontinued Model	E3S-BT11-M1J	Horizontal	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-T61A-M1J	Vertical	10 m	Yes	L-ON or D-ON	
Discontinued Model	E3S-BT61-M3J	Vertical	2 m	Yes	L-ON or D-ON	Compare from data sheets
Possible Replacement	E3Z-T61A-M3J	Vertical	10 m	Yes	L-ON or D-ON	

Click on the links below to review these data sheets.

[E3S-B](#) Subminiature Photoelectric Sensor (discontinued)

[E3T](#) Ultra-miniature Photoelectric Sensor (suggested replacement)

[E3Z](#) Miniature Photoelectric Sensor (suggested replacement)

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