

Mfrs. List No.	Order Code	1+	5+	10+
E39-L116	.722-6494			
E39-L117	.722-6500			
E39-L118	.722-6512			
E39-L119	.722-6524			

## Diffuse, Polarised Reflex, Separate – E3S-A Series



Cable		Screw Connector	
Reflex: H = 22.3, W = 12.4, D = 42.3		Reflex: H = 22.3, W = 12.4, D = 42.3	
Diffuse, separate: H = 22.3, W = 12.4, D = 40		Diffuse, separate: H = 22.3, W = 12.4, D = 50	

- LED indication for output and stability status
- Light-on/dark-on operation is switch selectable
- Small variation in sensitivity between sensors allows quick adjustment of multiple sensors
- Close alignment of optical axis to mounting position (2° max.) permits quick alignment
- Plastic housing protected to **IP67**
- Connection by 2m lead or M12 screw connector
- Reflector supplied with reflex types

Supply distance	Current consumption
Diffuse: 0 to 200mm	Diffuse: 30mA
Polarised reflex: 0.1 to 2m	Polarised reflex: 30mA
Separate: 0 to 7m	Separate: 40mA
Supply voltage: 10 to 30V dc	Control output (max.): 100mA, 30V dc max
Temperature range: -25°C to +55°C	Response time: 0.5 ms

Mfrs. List No's.	E3S-AR11 = 532-459,	E3S-AR31 = 532-460,	E3S-AD11 = 532-435,
	E3S-AD31 = 532-447,	E3S-AT11 = 532-472,	E3S-AT31 = 532-484,
	E3S-AR36 = 532-526,	E3S-AD36 = 532-502,	E3S-AT36 = 532-540.

Type	Output	Order Code	1+	5+	10+
<b>2 Metre Lead</b>					
Diffuse	NPN	.532-435			
Diffuse	PNP	.532-447			
Polarised reflex	NPN	.532-459			
Polarised reflex	PNP	.532-460			
Separate	NPN	.532-472			
Separate	PNP	.532-484			
<b>M12 Screw Connector</b>					
Diffuse	PNP	.532-502			
Polarised reflex	PNP	.532-526			
Separate	PNP	.532-540			

## Built-in Amplifier-E3S-A Series



- Optical axis can be adjusted in seconds because it coincides with the mounting axis
- Built-in mutual interference prevention function
- Sealed to **IP67**
- Supplied with 2m lead

Order Code	Current Consumption	Sensing distance	Approx Size (mm)	Type
532-435	45mA max approx	200mm	21(H)x12.4(W)x40(D)	Horizontal
357-8604	35mA max	700mm	21(H)x12.4(W)x40(D)	Horizontal
357-8616	45mA max approx	200mm	21(H)x12.4(W)x40(D)	Vertical
532-459	45mA max approx	0.1-2M	21(H)x12.4(W)x42.3(D)	Horizontal
357-8630	45mA max approx	0.1-2M	21(H)x12.4(W)x42.3(D)	Horizontal
357-8641	45mA max approx	0.1-2M	21(H)x12.4(W)x42.3(D)	Vertical
532-472	55mA max approx	7M	21(H)x12.4(W)x40(D)	Horizontal
357-8665	55mA max approx	7M	21(H)x12.4(W)x40(D)	Horizontal
357-8677	55mA max approx	7M	21(H)x12.4(W)x40(D)	Vertical

Sensing Method	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse reflective	E3S-AD11 2M	.532-435			
	E3S-AD12 2M	.357-8604			
	E3S-AD61 2M	.357-8616			
Retroreflective	E3S-AR11 2M	.532-459			
	E3S-AR61 2M	.357-8630			
	E3S-AR71 2M	.357-8641			
Through beam	E3S-AT11 2M	.532-472			
	E3S-AT21 2M	.357-8665			
	E3S-AT61 2M	.357-8677			

## E3S-B Series



Order Code	Current Consumption	Sensing distance	Approx Size (mm)
357-4532	25mA max	2M	22(H)x10(W)x30.3(D)
357-4544	25mA	2M	
357-4556	25mA	2M	29.3(H)x10(W)x18(D)
357-4568	25mA	2M	
357-4570	25mA	1M	17.3(H)x10(W)x30.3(D)
357-4581	35mA	2M	17.3(H)x10(W)x28(D)
357-4593	35mA	2M	16(H)x11(W)x29.3(D)
357-4600	25mA	1M	

	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse reflective (Horizontal Type)	NPN E3S-BD11 2M	.357-4532			
Diffuse reflective (Vertical Type)	PNP E3S-BD31 2M	.357-4544			
Diffuse reflective (Vertical Type)	NPN E3S-BD61 2M	.357-4556			
Diffuse reflective (Vertical Type)	PNP E3S-BD81 2M	.357-4568			
Retroreflective (Horizontal Type)	NPN E3S-BR11 2M	.357-4570			
Through-beam (Horizontal Type)	NPN E3S-BT11 2M	.357-4581			
Through-beam (Vertical Type)	NPN E3S-BT61 2M	.357-4593			
Through-beam (Vertical Type)	PNP E3S-BT81 2M	.357-4600			

## Diffused, Polarised Reflex, Separate – E3V3



- Polarising function accurately detects lustrous objects
- Resin-filled, resists vibration and prevents water ingress
- Easy to use, large indicators
- Light-on or dark-on operation selectable by wire connection

H = 37.5, W = 10.4, D = 18  
Fixing centres = 25.4, Cable L = 2m

Supply voltage	Sensing distance	Control output
12 to 24V dc ±10%	Diffuse: 0 to 700mm	100mA max.
	Polarised reflex: 0.1 to 2m	Response time: 1ms max.
	Separate: 0 to 7m	Enclosure rating: <b>IP67</b>
		Operating temperature: -25°C to +55°C

Type	Output	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse	NPN	E3V3-D62	.721-3815			
Diffuse	PNP	E3V3-D82	.721-3827			
Polarised reflex	NPN	E3V3-R61	.721-3839			
Polarised reflex	PNP	E3V3-R81	.721-3840			
Separate	NPN	E3V3-T61	.721-3852			
Separate	PNP	E3V3-T81	.721-3864			
Standard bracket		E39-L104	.721-3876			
Flat mounting bracket		E39-L43	.721-3888			

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