

### Three-Wire Sensors, continued

30 mm




Operating Voltage	Sensing Range	Shielding	Output Type	Connection Type	NO Output Catalog Number	NC Output Catalog Number	
<b>30 mm Diameter</b>							
10–30 Vdc	10 mm (standard range)	Shielded	PNP	2-meter cable	<b>E57G-30SPN10-C2</b>	<b>E57G-30SPC10-C2</b>	
				4-pin micro DC connector	<b>E57G-30SPN10-Q</b>	<b>E57G-30SPC10-Q</b>	
			NPN	2-meter cable	<b>E57G-30SNN10-C2</b>	<b>E57G-30SNC10-C2</b>	
		4-pin micro DC connector		<b>E57G-30SNN10-Q</b>	<b>E57G-30SNC10-Q</b>		
		15 mm (standard range)	Unshielded	PNP	2-meter cable	<b>E57G-30UPN15-C2</b>	<b>E57G-30UPC15-C2</b>
					4-pin micro DC connector	<b>E57G-30UPN15-Q</b>	<b>E57G-30UPC15-Q</b>
	NPN			2-meter cable	<b>E57G-30UNN15-C2</b>	<b>E57G-30UNC15-C2</b>	
			4-pin micro DC connector	<b>E57G-30UNN15-Q</b>	<b>E57G-30UNC15-Q</b>		
	15 mm (extended range)		Shielded	PNP	2-meter cable	<b>E57G-30SPN15-C2</b>	<b>E57G-30SPC15-C2</b>
					4-pin micro DC connector	<b>E57G-30SPN15-Q</b>	<b>E57G-30SPC15-Q</b>
		NPN		2-meter cable	<b>E57G-30SNN15-C2</b>	<b>E57G-30SNC15-C2</b>	
			4-pin micro DC connector	<b>E57G-30SNN15-Q</b>	<b>E57G-30SNC15-Q</b>		
22 mm (extended range)		Unshielded	PNP	2-meter cable	<b>E57G-30UPN22-C2</b>	<b>E57G-30UPC22-C2</b>	
				4-pin micro DC connector	<b>E57G-30UPN22-Q</b>	<b>E57G-30UPC22-Q</b>	
	NPN		2-meter cable	<b>E57G-30UNN22-C2</b>	<b>E57G-30UNC22-C2</b>		
		4-pin micro DC connector	<b>E57G-30UNN22-Q</b>	<b>E57G-30UNC22-Q</b>			

### Compatible Connector Cables

#### Standard Cables <sup>①</sup>

Micro-Style Straight Female



Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)	PVC Jacket Catalog Number	PUR Jacket Catalog Number
<b>Micro-Style, Straight Female</b>						
DC	4-pin, 3-wire	22 AWG	6.0 ft (2m)	 1-Brown 2-No Wire 3-Blue 4-Black	<b>CSDS4A3CY2202</b>	<b>CSDS4A3RY2202</b>

### Accessories

#### E57G General Purpose Proximity Sensors

Description	Reference
Mounting brackets	See <b>Tab 8, section 8.2</b>
Replacement mounting nuts and other accessories	See <b>Tab 8, section 8.3</b>
Connector cables	See <b>Tab 10, section 10.1</b>

#### Notes

- ⊕ See listing of compatible connector cables on **Page V8-T3-31**.
- ① For a full selection of connector cables, see **Tab 10, section 10.1**.

## Technical Data and Specifications

### E57G General Purpose Proximity Sensors

Description	Three-Wire DC Sensors
Operating voltage	10–30 Vdc
Output current (continuous)	100 mA
Switching frequency [Hz]	Standard range: 12 mm—Shielded: 2000; Unshielded: 2000 18 mm—Shielded: 1200; Unshielded: 1200 30 mm—Shielded: 600; Unshielded: 500 Extended range: 12 mm—Shielded: 1200; Unshielded: 500 18 mm—Shielded: 300; Unshielded: 300 30 mm—Shielded: 400; Unshielded: 200
Leakage current	<100 $\mu$ A
Output voltage drop [Vsat]	<2.5 V
Current consumption	<10 mA
Short-circuit protection	Yes (Auto Reset)
Hysteresis [% of Sr]	2–20%
Repeat accuracy	1% shielded, 3% unshielded
Time delay before availability	<200 ms
Output indicator LED	360° amber LED
Operating temperature range	–25 to 70 °C
Ingress protection	IEC IP67, UL Type 1
Mechanical shock	IEC 60947-5-2 30 G half-sine wave, 11 mS
Vibration	IEC 60947-5-2 10–55 Hz, 1 mm amplitude
Housing materials	Front face: Ryton Tube: stainless steel End bells: M12 body: Polycarbonate Cable end bell: Polycarbonate Nuts: Ni-Brass
Cable	AWM style 20387 (PVC)