Three-Wire Sensors, continued

30 mm

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

Compatible Connector Cables

Standard Cables ①

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
Micro-Style, Straight Female						
DC	4-pin, 3-wire	22 AWG	6.0 ft (2m)	① ② ④ ③ 1-Brown 2-No Wire 3-Blue 4-Black	**CSDS4A3CY2202**	**CSDS4A3RY2202**

Accessories

E57G General Purpose Proximity Sensors

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

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 µA
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)