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E57PS Performance Short Body Sensors

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E57PS Performance Short Body Sensors

Product Description

For demanding sensing applications in areas too small for standard length units, the E57PS Performance Short Body series is an ideal solution as it incorporates the premium features of the E57P series but in a shorter body length. With its stainless steel tubular body, IP69K rating, wide temperature range (down to –40 °C), fast switching speed and laser-etched markings, the E57PS series provides value at a low price point.

Features

- 360° LED indicator
- Stainless steel tube
- 10–48 Vdc operating voltage
- Short-circuit protection
- –40 to 70 °C temperature range
- IP69K environmental rating
- Durable laser-engraved label
- Available in cable and micro-connector styles

Standards and Certifications

- cULus Listed
- CE

c UL us Listed CE

⚠ DANGER

THIS SENSOR IS NOT A SAFETY DEVICE AND IS NOT INTENDED TO BE USED AS A SAFETY DEVICE. This sensor is designed only to detect and read certain data in an electronic manner and perform no use apart from that, specifically no safety-related use. This sensor product does not include self-checking redundant circuitry, and the failure of this sensor product could cause either an energized or de-energized output condition, which could result in death, serious bodily injury, or property damage.

For the most current information on this product, visit our Web site: www.eaton.com

For Customer Service in the U.S. call 1-877-ETN CARE (386-2273), in Canada call 1-800-268-3578.
For Application Assistance in the U.S. and Canada call 1-800-426-9184.

Product Selection

E57PS Performance Short Body Sensors

Three-Wire Sensors

	Operating Voltage	Sensing Range (Sn)	Shielding	Connection Type ①	NO Output Catalog Number	NC Output Catalog Number
12 mm	**12 mm Diameter**					
	10–48 Vdc	2 mm (standard range)	Shielded (PNP)	2-meter cable	**E57PS-12SNN2-C2**	**E57PS-12SNC2-C2**
				4-pin micro DC connector	**E57PS-12SNN2-Q** ⠿	**E57PS-12SNC2-Q** ⠿
			Shielded (NPN)	2-meter cable	**E57PS-12SPN2-C2**	**E57PS-12SPC2-C2**
				4-pin micro DC connector	**E57PS-12SPN2-Q** ⠿	**E57PS-12SPC2-Q** ⠿
		4 mm (standard range)	Unshielded (PNP)	2-meter cable	**E57PS-12UNN4-C2**	**E57PS-12UNC4-C2**
				4-pin micro DC connector	**E57PS-12UNN4-Q** ⠿	**E57PS-12UNC4-Q** ⠿
			Unshielded (NPN)	2-meter cable	**E57PS-12UPN4-C2**	**E57PS-12UPC4-C2**
				4-pin micro DC connector	**E57PS-12UPN4-Q** ⠿	**E57PS-12UPC4-Q** ⠿
18 mm	**18 mm Diameter**					
	10–48 Vdc	5 mm (standard range)	Shielded (PNP)	2-meter cable	**E57PS-18SNN2-C2**	**E57PS-18SNC2-C2**
				4-pin micro DC connector	**E57PS-18SNN2-Q** ⠿	**E57PS-18SNC2-Q** ⠿
			Shielded (NPN)	2-meter cable	**E57PS-18SPN2-C2**	**E57PS-18SPC2-C2**
				4-pin micro DC connector	**E57PS-18SPN2-Q** ⠿	**E57PS-18SPC2-Q** ⠿
		8 mm (standard range)	Unshielded (PNP)	2-meter cable	**E57PS-18UNN4-C2**	**E57PS-18UNC4-C2**
				4-pin micro DC connector	**E57PS-18UNN4-Q** ⠿	**E57PS-18UNC4-Q** ⠿
			Unshielded (NPN)	2-meter cable	**E57PS-18UPN4-C2**	**E57PS-18UPC4-C2**
				4-pin micro DC connector	**E57PS-18UPN4-Q** ⠿	**E57PS-18UPC4-Q** ⠿
30 mm	**30 mm Diameter**					
	10–48 Vdc	10 mm (standard range)	Shielded (PNP)	2-meter cable	**E57PS-30SNN2-C2**	**E57PS-30SNC2-C2**
				4-pin micro DC connector	**E57PS-30SNN2-Q** ⠿	**E57PS-30SNC2-Q** ⠿
			Shielded (NPN)	2-meter cable	**E57PS-30SPN2-C2**	**E57PS-30SPC2-C2**
				4-pin micro DC connector	**E57PS-30SPN2-Q** ⠿	**E57PS-30SPC2-Q** ⠿
		15 mm (standard range)	Unshielded (PNP)	2-meter cable	**E57PS-30UNN4-C2**	**E57PS-30UNC4-C2**
				4-pin micro DC connector	**E57PS-30UNN4-Q** ⠿	**E57PS-30UNC4-Q** ⠿
			Unshielded (NPN)	2-meter cable	**E57PS-30UPN4-C2**	**E57PS-30UPC4-C2**
				4-pin micro DC connector	**E57PS-30UPN4-Q** ⠿	**E57PS-30UPC4-Q** ⠿

Compatible Connector Cables

Standard Cables ②

	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	**Micro-Style, Straight Female**						
	DC	4-pin, 4-wire	22 AWG	6.0 ft (2m)	1-Brown 2-White 3-Blue 4-Black	**CSDS4A4CY2202**	**CSDS4A4RY2202**

Notes

⠿ See listing of compatible connector cables above.

① Cable models are supplied as standard with a 2-meter cable. A 5-meter cable is available by adding **S5** to the catalog number. Example: E57SAL12T110 becomes E57SAL12T110**S5**.

② For a full selection of connector cables, see **Tab 10**, **section 10.1**.