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Inductive Proximity Sensors

E57P Performance Series Sensors

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E57P Performance Series Sensors



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E57P Performance Series Sensors

Product Description

For sensing applications requiring more demanding specifications, the new E57P Performance series incorporates premium features without the premium price. With its stainless steel tubular body, IP69K rating, wide temperature range (down to -40 °C), fast switching speed and laser-etched markings, the E57P 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



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

E57P Performance Sensors

Three-Wire Sensors

	Operating Voltage	Sensing Range (Sn)	Shielding	Connection Type ^①	NO Output Catalog Number	NC Output Catalog Number
	10–48 Vdc	12 mm Diameter End Sensing				
		2 mm (standard range)	Shielded (PNP)	2-meter cable	E57P-12SPN2-C2	E57P-12SPC2-C2
				4-pin micro DC connector	E57P-12SPN2-Q	E57P-12SPC2-Q
			Shielded (NPN)	2-meter cable	E57P-12SNN2-C2	E57P-12SNC2-C2
				4-pin micro DC connector	E57P-12SNN2-Q	E57P-12SNC2-Q
		4 mm (standard range)	Unshielded (PNP)	2-meter cable	E57P-12UPN4-C2	E57P-12UPC4-C2
				4-pin micro DC connector	E57P-12UPN4-Q	E57P-12UPC4-Q
			Unshielded (NPN)	2-meter cable	E57P-12UNN4-C2	E57P-12UNC4-C2
				4-pin micro DC connector	E57P-12UNN4-Q	E57P-12UNC4-Q
		4 mm (extended range)	Shielded (PNP)	2-meter cable	E57P-12SPN4-C2	E57P-12SPC4-C2
				4-pin micro DC connector	E57P-12SPN4-Q	E57P-12SPC4-Q
			Shielded (NPN)	2-meter cable	E57P-12SNN4-C2	E57P-12SNC4-C2
				4-pin micro DC connector	E57P-12SNN4-Q	E57P-12SNC4-Q
		8 mm (extended range)	Unshielded (PNP)	2-meter cable	E57P-12UPN8-C2	E57P-12UPC8-C2
				4-pin micro DC connector	E57P-12UPN8-Q	E57P-12UPC8-Q
			Unshielded (NPN)	2-meter cable	E57P-12UNN8-C2	E57P-12UNC8-C2
4-pin micro DC connector	E57P-12UNN8-Q			E57P-12UNC8-Q		
	10–48 Vdc	18 mm Diameter End Sensing				
		5 mm (standard range)	Shielded (PNP)	2-meter cable	E57P-18SPN5-C2	E57P-18SPC5-C2
				4-pin micro DC connector	E57P-18SPN5-Q	E57P-18SPC5-Q
			Shielded (NPN)	2-meter cable	E57P-18SNN5-C2	E57P-18SNC5-C2
				4-pin micro DC connector	E57P-18SNN5-Q	E57P-18SNC5-Q
		8 mm (standard range)	Unshielded (PNP)	2-meter cable	E57P-18UPN8-C2	E57P-18UPC8-C2
				4-pin micro DC connector	E57P-18UPN8-Q	E57P-18UPC8-Q
			Unshielded (NPN)	2-meter cable	E57P-18UNN8-C2	E57P-18UNC8-C2
				4-pin micro DC connector	E57P-18UNN8-Q	E57P-18UNC8-Q
		8 mm (extended range)	Shielded (PNP)	2-meter cable	E57P-18SPN8-C2	E57P-18SPC8-C2
				4-pin micro DC connector	E57P-18SPN8-Q	E57P-18SPC8-Q
			Shielded (NPN)	2-meter cable	E57P-18SNN8-C2	E57P-18SNC8-C2
				4-pin micro DC connector	E57P-18SNN8-Q	E57P-18SNC8-Q
		12 mm (extended range)	Unshielded (PNP)	2-meter cable	E57P-18UPN12-C2	E57P-18UPC12-C2
				4-pin micro DC connector	E57P-18UPN12-Q	E57P-18UPC12-Q
			Unshielded (NPN)	2-meter cable	E57P-18UNN12-C2	E57P-18UNC12-C2
4-pin micro DC connector	E57P-18UNN12-Q			E57P-18UNC12-Q		

Notes

⊕ See listing of compatible connector cables on [Page V8-T3-20](#).

① For cable lengths longer than 2 meters, add the number of the desired length in meters to the end of the listed catalog number (for catalog numbers ending with a number, add an **S** and then the length). Examples for a 5-meter cable: E57-18LE12-A becomes E57-18LE12-A5; E57LAL12A2 becomes E57LAL12A2S5.