

E57G General Purpose Proximity Sensors



Contents

Description	Page
E57G General Purpose Proximity Sensors	
Product Selection	
E57G General Purpose Proximity Sensors	V8-T3-30
Compatible Connector Cables	V8-T3-31
Accessories	V8-T3-31
Technical Data and Specifications	V8-T3-32
Wiring Diagrams	V8-T3-33
Dimensions	V8-T3-34

E57G General Purpose Proximity Sensors

Product Description

For global sensing applications, the E57G General Purpose series is designed for most standard inductive sensing needs. With its stainless steel tubular body, 360 degree visible LED, fast switching speed and laser-etched markings, the E57G series is an ideal cost-effective solution.

Features

- 360° LED indicator
- Stainless steel tube
- 10–30 Vdc operating voltage
- Short-circuit protection
- –25 to 70 °C temperature range
- IP67 environmental rating
- Durable laser-engraved label
- Available in cable and micro-connector styles
- Nickel-brass mounting nuts

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.

3.4

Inductive Proximity Sensors



E57G General Purpose Proximity Sensors

Product Selection

E57G General Purpose Proximity Sensors

3

Three-Wire Sensors

	Operating Voltage	Sensing Range	Shielding	Output Type	Connection Type	NO Output Catalog Number	NC Output Catalog Number			
12 mm 	12 mm Diameter									
	10–30 Vdc	2 mm (standard range)	Shielded	PNP	2-meter cable	E57G-12SPN2-C2	E57G-12SPC2-C2			
					4-pin micro DC connector	E57G-12SPN2-Q	E57G-12SPC2-Q			
					NPN	2-meter cable	E57G-12SNN2-C2	E57G-12SNC2-C2		
				NPN	4-pin micro DC connector	E57G-12SNN2-Q	E57G-12SNC2-Q			
					4 mm (standard range)	Unshielded	PNP	2-meter cable	E57G-12UPN4-C2	E57G-12UPC4-C2
								4-pin micro DC connector	E57G-12UPN4-Q	E57G-12UPC4-Q
	NPN	2-meter cable	E57G-12UNN4-C2	E57G-12UNC4-C2						
		4-pin micro DC connector	E57G-12UNN4-Q	E57G-12UNC4-Q						
	4 mm (extended range)	Shielded	PNP	PNP	2-meter cable	E57G-12SPN4-C2	E57G-12SPC4-C2			
					4-pin micro DC connector	E57G-12SPN4-Q	E57G-12SPC4-Q			
				NPN	2-meter cable	E57G-12SNN4-C2	E57G-12SNC4-C2			
			4-pin micro DC connector		E57G-12SNN4-Q	E57G-12SNC4-Q				
			8 mm (extended range)	Unshielded	PNP	PNP	2-meter cable	E57G-12UPN8-C2	E57G-12UPC8-C2	
							4-pin micro DC connector	E57G-12UPN8-Q	E57G-12UPC8-Q	
	NPN	2-meter cable				E57G-12UNN8-C2	E57G-12UNC8-C2			
		4-pin micro DC connector			E57G-12UNN8-Q	E57G-12UNC8-Q				
	18 mm 	18 mm Diameter								
10–30 Vdc		5 mm (standard range)			Shielded	PNP	2-meter cable	E57G-18SPN5-C2	E57G-18SPC5-C2	
			4-pin micro DC connector	E57G-18SPN5-Q			E57G-18SPC5-Q			
			NPN	2-meter cable			E57G-18SNN5-C2	E57G-18SNC5-C2		
				NPN		4-pin micro DC connector	E57G-18SNN5-Q	E57G-18SNC5-Q		
						8 mm (standard range)	Unshielded	PNP	2-meter cable	E57G-18UPN8-C2
			4-pin micro DC connector	E57G-18UPN8-Q					E57G-18UPC8-Q	
NPN		2-meter cable	E57G-18UNN8-C2	E57G-18UNC8-C2						
		4-pin micro DC connector	E57G-18UNN8-Q	E57G-18UNC8-Q						
8 mm (extended range)		Shielded	PNP	PNP	2-meter cable	E57G-18SPN8-C2	E57G-18SPC8-C2			
					4-pin micro DC connector	E57G-18SPN8-Q	E57G-18SPC8-Q			
				NPN	2-meter cable	E57G-18SNN8-C2	E57G-18SNC8-C2			
			4-pin micro DC connector		E57G-18SNN8-Q	E57G-18SNC8-Q				
			12 mm (extended range)	Unshielded	PNP	PNP	2-meter cable	E57G-18UPN12-C2	E57G-18UPC12-C2	
							4-pin micro DC connector	E57G-18UPN12-Q	E57G-18UPC12-Q	
NPN		2-meter cable				E57G-18UNN12-C2	E57G-18UNC12-C2			
		4-pin micro DC connector			E57G-18UNN12-Q	E57G-18UNC12-Q				

Note

⊕⊖ See listing of compatible connector cables on **Page V8-T3-31**.