

### E57G General Purpose Proximity Sensors



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### 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](http://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.

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## Inductive Proximity Sensors

### E57G General Purpose Proximity Sensors

#### Product Selection

#### E57G General Purpose Proximity Sensors

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#### Three-Wire Sensors

|                                                                                                      | Operating Voltage        | Sensing Range          | Shielding  | Output Type              | Connection Type          | NO Output Catalog Number | NC Output Catalog Number |
|------------------------------------------------------------------------------------------------------|--------------------------|------------------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <div>12 mm</div>    | 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           |
|                                                                                                      |                          |                        |            |                          | 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        | 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                      | 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            |                          |                          |
| <div>18 mm</div>  | 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           |
|                                                                                                      |                          |                        |            |                          | 4-pin micro DC connector | E57G-18SNN5-Q            | E57G-18SNC5-Q            |
|                                                                                                      |                          | 8 mm (standard range)  | Unshielded | PNP                      | 2-meter cable            | E57G-18UPN8-C2           | E57G-18UPC8-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                      | 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                      | 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**.