# Specifications







## Eaton E59-M18A108D01-D2

Eaton Iprox Series Tubular Inductive Proximity Sensor Enclosure, 0.71 dia, Sensor dist 8 mm, NPN/PNP Auto Configure, NC, 500 mA at 6-30 Vdc, 300 mA at 32-48 Vdc, 4 Pin M12 Connector, 6-48 Vdc input, <1% of sensing dist. accuracy, Shielded

### General specifications

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|---|---|
| **PRODUCT NAME** | Eaton E59 iProx programmable inductive proximity sensor |
| **CATALOG NUMBER** | E59-M18A108D01-D2 |
| **UPC** | 782116183340 |
| **PRODUCT LENGTH/DEPTH** | 0.71 in |
| **PRODUCT HEIGHT** | 2.1 in |
| **PRODUCT WIDTH** | 0.71 in |
| **PRODUCT WEIGHT** | 0.1438 lb |
| **WARRANTY** | 1 year |
| **COMPLIANCES** | CE Marked |
| **CERTIFICATIONS** | UL Listed<br>CSA Certified |
| **PRODUCT TYPE** | Programmable inductive proximity sensor |

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## Product specifications

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|---|---|
| **CONTACT RATING** | 500 mA at 6-30 Vdc, 300 mA at 32-48 Vdc |
| **ACTUATOR FUNCTION** | Shielded |
| **ACCURACY** | < 1% of sensing distance |
| **ENCLOSURE MATERIAL** | End bell: polycarbonate<br>Tube: stainless steel<br>Front cap: polyphenylene sulfide |
| **CONNECTION** | 4-pin M12 connector |
| **CONTACT CONFIGURATION** | NPN/PNP auto configure, NC |
| **SERIES** | E59 |
| **SENSOR TYPE** | Inductive proximity |
| **ENVIRONMENTAL RATING** | NEMA 4, NEMA 4X, NEMA 6, NEMA 6P, NEMA 12, NEMA 13, IP67, IP69K |
| **OPERATING TEMPERATURE - MAX** | 158 °F |
| **OPERATING TEMPERATURE - MIN** | -40 °F |
| **MAXIMUM DC CURRENT** | 500 mA |
| **INPUT VOLTAGE** | 6-48 Vdc |
| **LED INDICATOR** | Green power up turns red when output energized |
| **PROTECTION** | Auto reset short circuit |

## Resources

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|---|---|
| CATALOGS | Sensing Solutions, Inductive Proximity Sensors, Volume 8, Tab 3 |
| MULTIMEDIA | We make what matters |
| SPECIFICATIONS AND DATASHEETS | Eaton Specification Sheet - E59-M18A108D01-D2 |

| | |
|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

**Eaton Corporation plc** Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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