

# Specifications

## Eaton E59-M12C110C02-D1



Eaton iProx Sensor, E59, Straight, 12 mm, Unshielded, 360° viewable LED, 3-wire, 6.6 ft, 300 mA at 6-48 Vdc, <3% sensing range, PVC, NPN/PNP auto configure, NO, 6-48 Vdc



### General specifications

|                             |   |
|-----------------------------|---|
| <b>PRODUCT NAME</b>         | Eaton E59 iProx programmable inductive proximity sensor |
| <b>CATALOG NUMBER</b>       | E59-M12C110C02-D1                                       |
| <b>UPC</b>                  | 782116183258  |
| <b>PRODUCT LENGTH/DEPTH</b> | 2.46 in   |
| <b>PRODUCT HEIGHT</b>       | 0.47 in   |
| <b>PRODUCT WIDTH</b>        | 0.47 in   |
| <b>PRODUCT WEIGHT</b>       | 0.2 lb  |
| <b>WARRANTY</b>             | 1 year  |
| <b>COMPLIANCES</b>          | CE Marked   |
| <b>CERTIFICATIONS</b>       | UL Listed<br>CSA Certified                              |



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## Product specifications

|                                    |   |
|------------------------------------|---|
| <b>TYPE</b>                        | E59   |
| <b>CONTACT RATING</b>              | 300 mA at 6-48 Vdc  |
| <b>ACTUATOR FUNCTION</b>           | Unshielded  |
| <b>CABLE TYPE</b>                  | Polyvinyl Chloride (PVC)  |
| <b>ACCURACY</b>                    | < 3% sensing range  |
| <b>ENCLOSURE MATERIAL</b>          | 303 stainless steel   |
| <b>CONTACT CONFIGURATION</b>       | NPN/PNP auto configure, NO                                      |
| <b>SERIES</b>                      | E59   |
| <b>NUMBER OF WIRES</b>             | 3   |
| <b>ENVIRONMENTAL RATING</b>        | NEMA 4, NEMA 4X, NEMA 6, NEMA 6P, NEMA 12, NEMA 13, IP67, IP69K |
| <b>TEMPERATURE RATING</b>          | -40 to 158 °F   |
| <b>CORD LENGTH</b>                 | 79.2 ft   |
| <b>OPERATING TEMPERATURE - MAX</b> | 158 °F  |
| <b>OPERATING TEMPERATURE - MIN</b> | -40 °F  |
| <b>MAXIMUM DC CURRENT</b>          | 300 mA  |
| <b>INPUT VOLTAGE</b>               | 6-48 Vdc  |
| <b>SIZE</b>                        | 12 mm   |
| <b>LED INDICATOR</b>               | 360 ° viewable LED  |
| <b>PROTECTION</b>                  | Auto reset  |

## Resources

|                               |   |
|-------------------------------|---|
| CATALOGS                      | <a href="#">Sensing Solutions, Inductive Proximity Sensors, Volume 8, Tab 3</a> |
| MULTIMEDIA                    | <a href="#">We make what matters</a>  |
| SPECIFICATIONS AND DATASHEETS | <a href="#">Eaton Specification Sheet - E59-M12C110C02-D1</a>                   |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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