

Enables easier and standardized designs previously not possible

- The world's longest sensing distance*¹
Nearly double the sensing distance of previous
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds*² to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance enabled 2-year oil resistance*³.
- IP69K compliant for water resistance and wash resistance*⁴
- Comes in a wide variation to make sensor selection easy
- UL certification (UL60947-5-2)*⁵ and CSA certification (CSA C22.2 UL60947-5-2-14)



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

*1. Based on December 2018 OMRON investigation.
 *2. Time required to adjust the distance when installing a Sensor. Based on OMRON investigation.
 *3. Refer to *Ratings and Specifications* for details. However, E2E Connector Models and E2EQ series is excluded.
 *4. E2EQ series is excluded.
 *5. M8 (4-pin) Connector Models are not UL certified.

Be sure to read *Safety Precautions* on page 61.

Features

PREMIUM Model

Easy design Standardized design

Exceptional sensing range*⁶

9 [M12] mm*⁷

The PREMIUM Model, which has a longer detection range compared to previous models, allows for more spacious designs with less risk of contact. It also enables you to standardize your designs by letting you adopt a single one-size model instead of multiple models of different sizes.

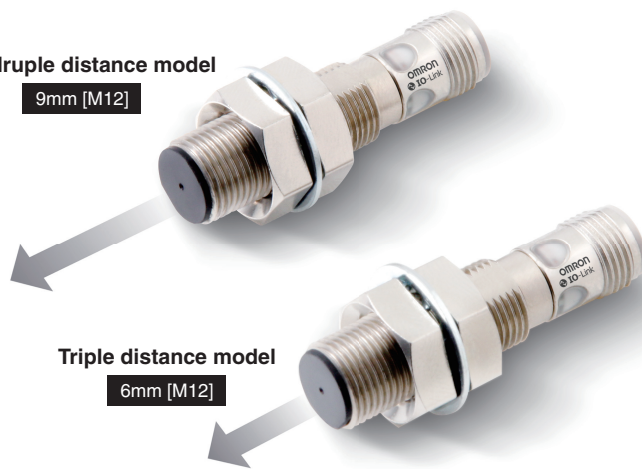
*6. Based on December 2018 OMRON investigation.
 *7. Quadruple distance models of M12 sized

Quadruple distance model

9mm [M12]

Triple distance model

6mm [M12]



BASIC Model

In addition to our HIGH SPEC Models, we also offer mid/short-distance BASIC Models, to meet various facility design requirement specifications.

Double distance model

4mm [M12]

Single distance model

2mm [M12]



New standards for usability

Early error detection

1 location, all new E2E Sensors can be monitored with IO-Link IO-Link

Less unexpected facility stoppages

Strong resistance to cutting oil **2**-year oil resistance*⁹

Quick recovery

10 second replaceable with e-jig (adaptor)*⁸
360° degree view with high visibility LED indicator

*9. E2E Connector Models and E2EQ series is excluded.

*8. Time required to adjust the distance when installing a Sensor. Based on OMRON investigation.

E2E/E2EQ NEXT Series

E2E/E2EQ NEXT Series Model Number Legend

DC 3-wire

E2E (1) - X (2) (3) (4) (5) (6) (7) - (8) - (9) - (10) (11)

| No. | Type | Code | Meaning |
|------|------------------------|----------|--|
| (1) | Case | Blank | Without spatter-resistant coating |
| | | Q | With spatter-resistant coating |
| (2) | Sensing distance | Number | Sensing distance (Unit: mm) (R: Indication of decimal point) |
| (3) | Shielding | Blank | Shielded |
| | | M | Unshielded |
| (4) | Output configuration | B | PNP open collector |
| | | C | NPN open collector |
| (5) | Operation mode | 1 | Normally open (NO) |
| | | 2 | Normally closed (NC) |
| | | 3 | Normally open, Normally closed (NO+NC) |
| (6) | IO-Link baud rate | Blank | IO-Link baud rate |
| | | D | COM2 (38.4 kbps) |
| | | T | COM3 (230.4 kbps) |
| (7) | Body size | Blank | Standard |
| | | L | Long Body |
| (8) | Size | 8 | M8 |
| | | 12 | M12 |
| | | 18 | M18 |
| | | 30 | M30 |
| (9) | Connection method | Blank | Pre-wired Models |
| | | M1 | M12 Connector Models |
| | | M3 | M8 (4-pin) Connector Models |
| | | M5 | M8 (3-pin) Connector Models |
| | | M1TJ | M12 Pre-wired Smartclick Connector Models |
| | | M1TJR | M12 Pre-wired Smartclick Connector Models Robot (bending-resistant) cable |
| (10) | Cable specifications * | Blank | Standard PVC cable |
| | | R | Robot (bending-resistant) cable |
| (11) | Cable length | Number M | Cable length |

* (10) is only shown in the model number of Pre-wired Models.

Note: The purpose of this model number legend is to provide understanding of the meaning of specifications from the model number. Models are not available for all combinations of code numbers.