

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)

*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.



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

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]

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

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

Quick recovery

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

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

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]



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.