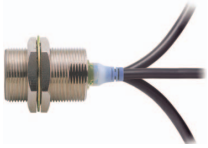
Standard Proximity Sensor

# E2E

CSM_E2E_DS_E_12_4

## Your Search for Proximity Sensors Starts with the World-leading Performance and Quality of the E2E

- Standard Sensors for detecting ferrous metals.
- Wide array of variations. Ideal for a variety of applications.
- Models with different frequencies are also available to prevent mutual interference.
- Superior environment resistance with standard cable made of oil-resistant PVC and sensing surface made of material that resists cutting oil.
- Useful to help prevent disconnection.
  Cable protector provided as a standard feature.



(Standards do not apply to all models.)

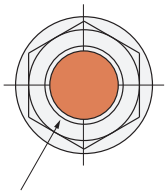
For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Be sure to read *Safety Precautions* on page 25.

## Features

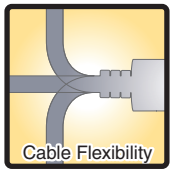
**2-Wire Models**

### Pre-wired Models with Oil-resistant Reinforced PUR Cables Added to the Lineup and Easy Differentiation with Orange Head

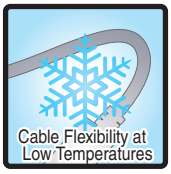


Differentiation from standard models: Orange Head

Oil Resistance (Insulation service life): twice or three times that of oil-resistant vinyl chloride

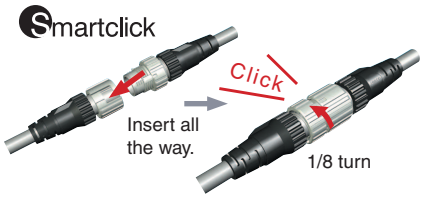


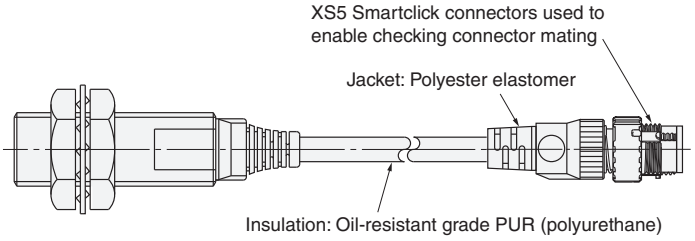

Cable Flexibility: approximately twice that of vinyl chloride cables




More Flexibility at –40°C

### Lineup includes models with Smartclick pre-wired connectors for fast connection.




### UL-recognized Models Available

## Lineup includes models with self-diagnostic output to provide notification of failures and unstable detection conditions, such as coil burnout.

- Contributes to preventive maintenance to keep the line from stopping.

## Reduced wiring, fewer resources, and low power consumption contribute to environmentalism.

- Wiring work and amount of copper wire used reduced to two thirds of that required for 3-wire models.
- Current consumption drastically reduced to less than 10% (when a DC 2-wire model is compared with a DC 3-wire model).

**3-Wire Models**

## Wide range of ambient operating temperatures: –40°C to 85°C (M8 to M30 models)

- Suitable for low-temperature and high-temperature applications, which are troublesome for photoelectric sensors.

## Lineup includes models with flexible cable (M8 to M30 models)

- Reduced risk of disconnection in applications with moving parts.