


## 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.
- Cable protector provided as a standard feature.



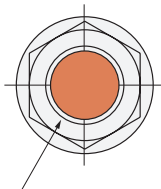
 Be sure to read *Safety Precautions* on page 27.

\*1: No AC/DC 2-wire models or AC 2-wire M8 models are compliant.  
 \*2: Attach three ferrite clamps to the cable of the E2E-X3□□ and E2E-X8MD□. (Refer to information on TDK catalog number ZCAT2035-0930A.)

## Features

### 2-Wire Models

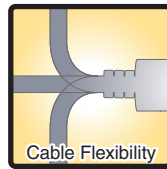
Pre-wired Models with Oil-resistant Reinforced PUR Cables Added to the Lineup and Easy Differentiation with Orange Head



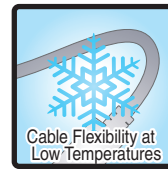
Differentiation from standard models: Orange Head



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

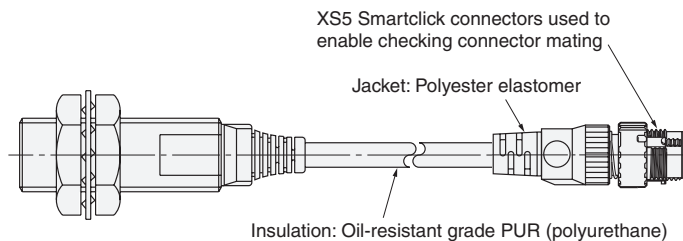
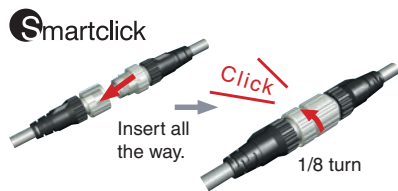


Cable Flexibility: approximately twice that of vinyl chloride cables



More Flexibility at -40°C

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



---

**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****Lineup includes models with small diameter (3 dia., 4 dia., 5.4 dia., M5)**

- All small-diameter models use sealed construction. Operation is stable even when the Sensor is mounted in a small space or embedded in metal.
- Bright indicators enable easily checking the installation condition.

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

- Wide range of ambient operating temperatures also for small-diameter models: -25°C to 70°C
- Suitable for low-temperature and high-temperature applications, which are troublesome for photoelectric sensors.

**Lineup includes models with flexible cable (4-dia. to M30 models)**

- Reduced risk of disconnection in applications with moving parts.