

Structural Design That Provides Excellent Environment-resistance*

Waterproofing ring: Fluorine rubber

Excellent resistance to detergents and disinfectants.

Optical plate: Polymethylmethacrylate (PMMA)

Excellent resistance to detergents and disinfectants. High transparency and other qualities give PMMA excellent optical characteristics.

Seal

The seal provides the durability to high-temperature and high-pressure water that complies with IP69K.

Indicator cover: Polyetherimide (PEI)

Excellent resistance to detergents and disinfectants.

Sensitivity adjustment and mode selector switch: Polyetheretherketone (PEEK)

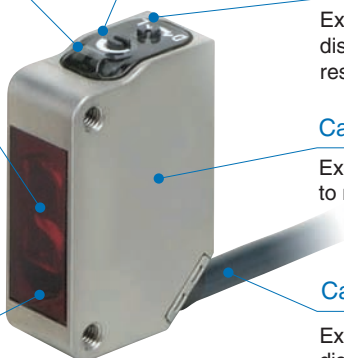
Excellent resistance to detergents and disinfectants. Also has excellent abrasion resistance.

Case: SUS316L

Excellent corrosion resistance to many chemical reagents.

Cable: Polyvinylchloride

Excellent resistance to detergents and disinfectants.



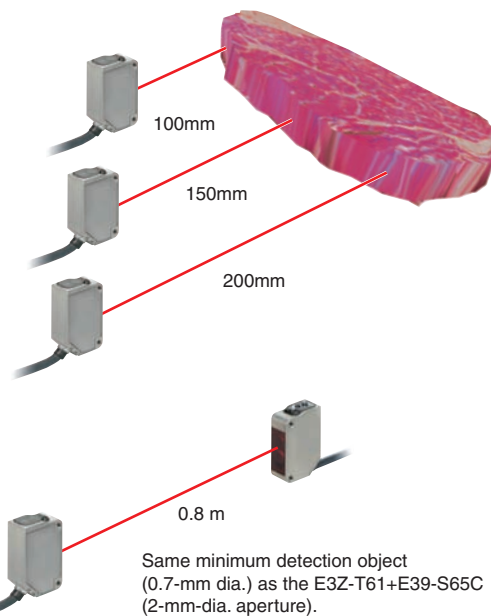
*Do not use the E3ZM in an oily environment.

Unique Members of the E3ZM Family

BGS Reflective Models

E3ZM-LS6□H/-LS8□H

Three models with different fixed sensitivity (rated sensing distances) have been created. These models cover the sensing ranges of the E3Z-LS61.



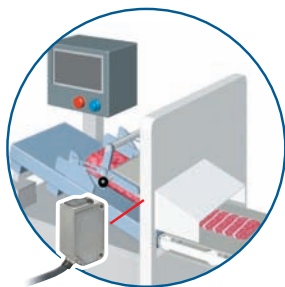
Through-beam Inner Aperture Models

E3ZM-T63

Fine beam without attaching an external aperture. This eliminates malfunctions from residual water drops, even immediately after washing.

A Better Fit for the Application

The E3ZM can be used in those harsh cleaning environments in which the E3Z was difficult to use. E3ZM passed the material resistance tests and is certified by Ecolab.



Processing and wrapping of meat or raw food products

<p>Ecolab GmbH & Co. OHG P.O. Box 13 54 06 D-40551 Düsseldorf certifies that for</p> <p>OMRON Manufacturing of Germany GmbH Carl-Benz-Strasse 4 71154 Nutringen</p> <p>material resistance tests</p> <p>were performed with cleaning substances P3-topax 56, P3-topax 66, P3-topax 91, P3 Topactiv DES and demineralized water as a zero reference factor.</p> <p>The material resistance of the tested series</p> <p>Photoelectric Sensor E3ZM</p> <p>to the P3 products used in the test can be considered to be positive according to the cleaning procedure mentioned overleaf.</p> <p>Düsseldorf, 14th February 2006</p> <p>Ecolab GmbH & Co. OHG</p> <p>L.V. L.V. </p> <p>Thomas Tyborski Reinhold Lauff</p>	<p>This certificate is based on:</p> <ul style="list-style-type: none"> documented test procedures (test no.: FAE/P3-E Nr. 40-1) according to material resistance defined product descriptions. standardized cleaning procedure <p>Test procedure Ecolab-test FAE Nr. 40-1</p> <p>Dipping test:</p> <ul style="list-style-type: none"> Complete immersion in solution/liquid <p>Test period:</p> <ul style="list-style-type: none"> 10 days <p>Temperature:</p> <ul style="list-style-type: none"> room temperature (constant) <p>Analysis:</p> <ul style="list-style-type: none"> Visual judgement like swelling, brittleness. compliance to zero-reference factor (demineralized water). Photometric documentation <p>Product specifications:</p> <p>P3-topax 56: Acid foam cleaning substance for food industry</p> <p>P3-topax 66: Alkaline cleaning detergent with active chlorine for machine-cleaning in food and beverage industry</p> <p>P3-topax 91: Neutral disinfection agent based on quaternary ammonium compounds (QAC) for food industry</p> <p>P3-topactiv DES: Acid-disinfectant based on Peroxide, Acid and Hydrogen Peroxide for the food and beverage industry</p> <p>Cleaning plan for food and beverage industry*</p> <ul style="list-style-type: none"> Rinsing with water 40 – 50°C Rinsing with low pressure. Rinsing from top to bottom in the direction of the drains. Cleaning of the drains. Flushing from bottom to top: alkaline P3-topax 66 2 – 5 % daily acid: P3-topax 56 2 % on demand temperature: cold up to 40°C contact time: 10 min. recommended Rinsing with water 40 – 50°C Rinsing from top to bottom with low pressure Spray disinfection P3-topax 91 1-2 %, 30 -60 minutes Foam disinfection P3-topactiv DES 1-2 %, 10-30 minutes
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