

# E3AS

## Standard models

### 5 Things to never forget:

- 1 Time-Of-Fight technology for used with any type of workpiece at long distance
- 2 BGS models equipped with Omron's light emitting element for stable detection of low-reflective workpieces
- 3 IO-Link communication reduces the time required for start-ups and changeovers, in addition with predictive maintenance
- 4 Compact-sized body IP67/IP69K/IP67G and ECOLAB certification
- 5 Antifouling coatings reduce the cleaning frequency on the sensing surface



### Features and benefits

- Wide sensing distance of 50 to 1,500 mm, enabling use on any conveyor line width.
- TOF-type sensors for used with any type of conveyed workpiece.
- Compact-sized body can be mounted anywhere (Metal case type (SUS316L) & Plastic case type).
- Teaching method allows anyone to set optimal threshold values.
- High speed IO-Link COM 3 communication.
- Manufactured using OMRON's proprietary laser welding technologies for different materials/metals for increased environmental resistance.

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### Important to find out

Do you need stable detections for workpiece independently of its color?

Do you direct detection in conveyors without reflector? Have you got any false detection produce by a safety jacket?

Do you need to keep machine running and reduce sudden machine downtime?

### Markets and applications

- The main market to be addressed is to F+C, thanks to their detection performance and housing protection against cleaning process
- However, our new photoelectric sensor can be used in multiple applications and markets, thanks to their versatility. One general application where it can be applied is in conveyors, because we can provide a range up to 1,5m without color error and false detections produced by safety jackets. It allows that customers can remove reflectors.

### Sales considerations

#### **Longest Detection Distance:**

Helps customer to have more design flexibility and replace reflex models for direct detection models

#### **Stable Detection:**

Stable detection for any colour and complex shape

#### **IO-Link technology:**

The new family includes IO-Link communication without extra cost, providing communication to the field level to our customers to help them to improve their manufacturing process, thanks to the information acquisition from field level

### Competitors

- SICK                    WTB12 ; WTB9
- KEYENCE            LR-Z
- LEUZE                Serie 55 ; 53
- IFM                    OGD
- BAUMER            O500W
- P&F                    OBT600
- BALLUFF            BOS 21M
- DATA-LOGIC    S8 Serie