

# E3AS photoelectric sensors for flexible manufacturing

## Product Guide



## Overview

Flexible manufacturing promotes higher utilization of production lines, but presents challenges in part detection. The E3AS family addresses challenges in part detection from size, color, reflectivity, or texture using of time-of-flight technology, which relies on distance of an object from a sensor rather than the amount or nature of light reflected off the target.

The E3AS photoelectric sensors combine advanced sensing technology and IO-Link communication into a small package that boasts high environmental robustness with IP69K wash down resistance, IP67G oil resistance, and Ecolab certification for detergent resistance.

## Applications

- Conveyor applications with differently sized targets
- Conveyor applications with varying colors and reflectivity
- Detection of mesh or perforated objects
- Multiple conveyor lines which require sensor teaching

## Primary Benefits

- Use one sensor for multiple sensing distances
- Use one sensor for multiple objects regardless of object features
- Compact size makes installation easier
- Environmentally robust
- Ease of use

## Key features

- Time of flight technology
- Exceptional sensing range from 50 mm to 1,500 mm
- IO-link configurability and measurement output monitoring
- IP69K, IP67G, UL and Ecolab
- High visibility LED indicator
- Compact steel or plastic body

## E3AS Product Selection



Connection Method	Sensing Distance	NPN	PNP (COM3)
M8 Connector	50mm-1500mm	E3AS-F1500IMN M3	E3AS-F1500IMT M3
	50mm-1000mm	E3AS-F1000IMN M3	E3AS-F1000IMT M3
Pre-wire	50mm-1500mm	E3AS-F1500IMN 2M	E3AS-F1500IMT 2M
	50mm-1000mm	E3AS-F1000IMN 2M	E3AS-F1000IMT 2M

\*plastic models available

Connection Method	Sensing Distance	NPN	PNP (COM3)
M8 Connector	0 mm - 200mm	E3AS-L200MN M3	E3AS-L200MT M3
	50mm-1000mm	E3AS-L80MN M3	E3AS-L80MN M3
Pre-wire	50mm-1500mm	E3AS-L200MN 2M	E3AS-L200IMT 2M
	50mm-1000mm	E3AS-L80MN 2M	E3AS-L80MT 2M

Note: 200 mm and 80 mm sensors are background suppression sensors not TOF

## Related Products

Product Name	XS3FM4	XW5T	S8VKG
Type	M8 Connector Cordsets	Terminal Blocks	Power supplies
Description	Straight and Right-angle	DIN track terminal blocks with screw terminals	Single phase 15W, 24 VDC, DIN Rail Mount
Common Part Numbers	XS3F-M8PUR4S2M XS3F-M8PVC4S2M XS3W-M8PUR4SS2M XS3W-M8PVC4SS2M	XW5T-S4.0-1.1-1	S8VK-G01524