

NEW

OMRON

## Wet Process Sensor

E32-L11FP Head Unit


E32-L11FS/L12FS Head Unit

E3X-DA□□TG-S Amplifier Unit

# Stable Detection of Glass in Wet Processes

Non-contact Operation Simplifies  
Mounting and Maintenance

Patent Pending

 S Mark Certified  
(except for PNP output model)

Special Amplifier  
E3X-DA□□TG-S

Heat-resistant PVC/  
Fluororesin Model  
E32-L11FP

**/ Cleaning**

**/ Etching**

**/ Resist Developing**

New Concept: New Algorithm "Tough Mode"  
Eliminates Interference from Water Droplets

High resistance to liquid splatter for incredibly stable detection.

Even in misty  
environments!

4000 1000

With glass

0 1000

Without glass

SUS316L/Fluororesin Model  
E32-L11FS/L12FS

**/ Resist Stripping**

**/ Handles 85°C/70°C**

### Non-contact Detection

Detection is possible whether the Head Unit is installed vertically or horizontally.

Less maintenance is required because there are no mechanical parts.

Height adjustment is very easy because of the wide sensing area.

realizing


CE

## Ordering Information

\* (Free-cut) Indicates models that allow free cutting.

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### Amplifier Units

Appearance	Connection method	Functions	Model	
			NPN output	PNP output
	Pre-wired model (2 m)	<div>Tough Mode    Super Tough Mode</div> <div>ON-delay and OFF-delay timer</div>	<b>E3X-DA11TG-S 2M</b>	<b>E3X-DA41TG-S 2M</b>

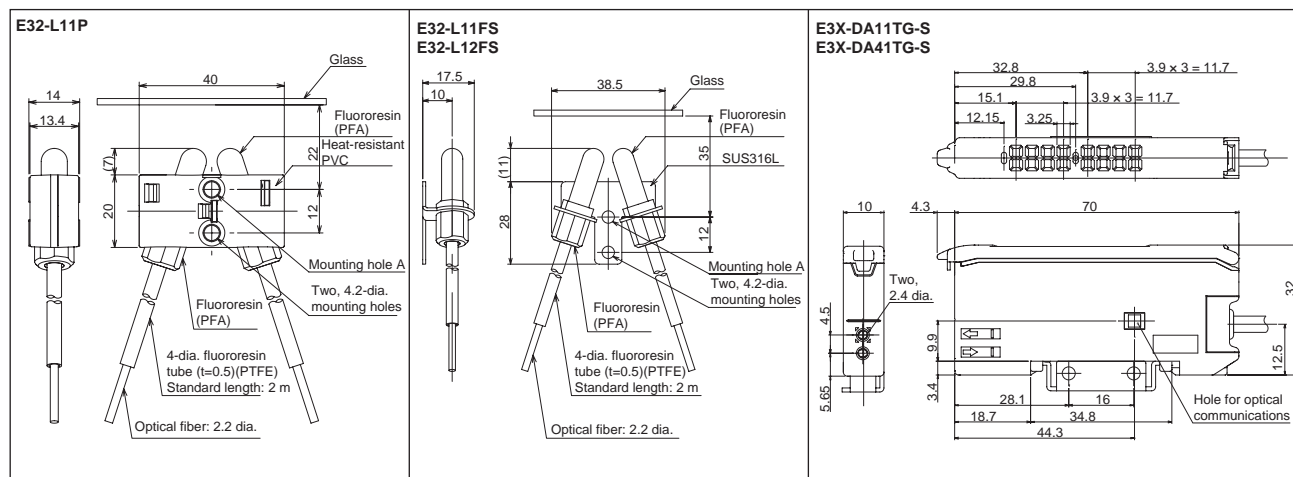
## Ratings and Specifications

Model	E3X-DA11TG-S	E3X-DA41TG-S
Item	Output	
	NPN open-collector output	PNP open-collector output
Power supply voltage	12 to 24 VDC $\pm 10\%$ , ripple (p-p) 10% max.	
Power consumption	960 mW max. (current consumption: 40 mA max. at power supply voltage of 24 VDC)	
Control output	Load power supply voltage: 26.4 VDC, load current: 50 mA max.; residual voltage: 1 V max.	
Response time	Tough Mode (TG): Operate/reset in 16 ms each, Super Tough Mode (STG): Operate/reset in 64 ms each Standard Mode (STND): Operate/reset in 1 ms each, High-resolution Mode (HRES) Operate/reset in 4 ms each	
Timer function	ON-delay/OFF-delay timer. OFF-delay timer. ON-delay timer, one-shot timer	

Note 1: The factory settings are as follows: Tough Mode with an ON-delay/OFF-delay timer.  
2: Be sure to check the chemicals and sprays used in the ambient environment before using the Wet Sensor.

## Dimensions (Unit: mm)

(Unit: mm)



This document provides information mainly for selecting suitable models. Please read Instruction Sheet carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.

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