

**INDUSTRIAL COMPONENT DATA**

# UEXF1 EXF1 EX-F1 PANASONIC Pipe mountable liquid level sensor, NPN, 12-24 V DC

Brand: PANASONIC | Manufacturer Part Number: UEXF1

**Panasonic**  
INDUSTRY

|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PANASONIC                                 |
| MPN / Reference | UEXF1                                     |
| Catalog number  | UEXF1                                     |
| Category        | Special Photoelectric Sensors - PANASONIC |
| Minimum order   | 1 unit                                    |
| Document ID     | EO-1DDF745601                             |
| Generated       | 2026-07-27                                |

## Product Overview

UEXF1 EXF1 EX-F1 PANASONIC Pipe mountable liquid level sensor, NPN, 12-24 V DC

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path **PANASONIC > Special Photoelectric Sensors - PANASONIC**

## Additional Product Information

Product Number EX-F1

Part Number EX-F1

Product Pipe-mountable Liquid Level Detection Sensor

Details Amplifier built-in, Pipe-mountable

Product name Pipe-mountable Liquid Level Detection Sensor EX-F1

Item Specifications

Product Number EX-F1

Part Number EX-F1

CE marking directive compliance EMC Directive, RoHS Directive

Sensing object Liquid

(Note):Unclear or highly viscous liquid may not be detected stably.

Applicable pipe diameter Outer dia. ø6 to ø13 mm ø0.236 to ø0.512 in transparent resin pipe

[PFA (Fluorine resin) or equivalently transparent pipe, wall thickness 1 mm 0.039 in ]

(Note:Do not use the sensor with pipes other than the above specified.)

Supply voltage 12 to 24 V DC ± 10 % Ripple P-P 10 % or less

Current consumption 30 mA or less

(Note:Unclear or highly viscous liquid may not be detected stably.)

Output NPN open-collector transistor

- Maximum sink current: 100 mA

- Applied voltage: 30 V DC or less (between output and 0 V)

- Residual voltage: 1 V or less (at 100 mA sink current), 0.4 V or less (at 16 mA sink current)

Output:Output operation Switchable either Light-ON (Liquid-absent-ON) or Dark-ON (Liquid-present-ON)

Output:Short-circuit protection Incorporated

Response time 2 ms or less

Operation indicator Red LED (lights up when the output is ON)

Ambient temperature -10 to +55 °C+14 to +131 °F(No dew condensation or icing allowed), Storage: -20 to +70 °C-4 to +158 °F

(Note:Liquid being detected should also be kept within the rated ambient temperature range.)

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## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PANASONIC / UEXF1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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