



# UH

## UHZ/AP-0A

Ultra.20x30x12,PNP-NO,Cable,Emitt+Receiv  
CUBIC THROUGH BEAM ULTRASONIC SENSORS

## OVERVIEW

- Total protection against any type of electric damages
- Plastic housing
- IP67 protection degree
- Approvals: CE



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	300mm
Beam angle	$\pm 8^\circ$
Sensitivity adjustment	No
thermal compensation	Yes
Minimum sensing distance (blind zone)	0mm

## Application

Function Principle	Emitter + Receiver
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## Outputs

Output type	PNP
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Output Function	NO
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Switching frequency	500Hz
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Response time	1ms
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## Electrical data

Operating Voltage	19 - 30Vdc
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Load current	40mA
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Leakage current	< 10 $\mu$ A
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Output voltage drop	< 2,5V
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Max ripple content	< 10%
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LED indicators	Yellow LED (output active or incorrect alignment)
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Time delay before availability	< 200ms
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Impulsive Overvoltage Protection	Yes
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## Mechanical data

Dimensions	24 x 30 x 15mm
Weight	100g
Housing Material	PBTP
Connections	2m PVC cable
Active Head Material	ceramics
Operating temperature	- 15°C...+ 60°C
Storage temperature	- 25°C...+ 75° C (without freeze)
Transducer Frequency	300KHz
Diameter/Dimension	Cubic

#### Test/Approvals

Approvals	CE
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN 60947-5-2 / 7.4
Degree of protection	IP67

#### Generical Data

Dimensions	24 x 30 x 15mm
Operating Temperature	- 15°C...+ 60°C
Mechanical Protection	IP67

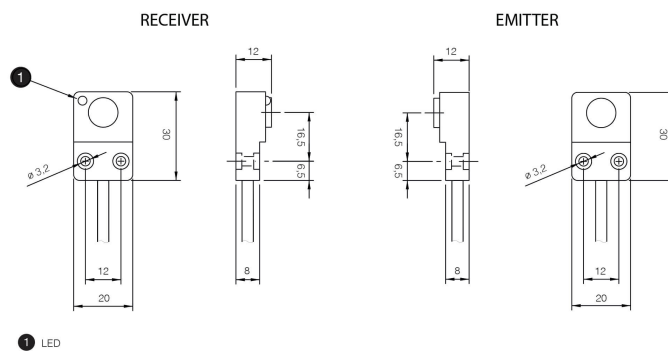
# CONNECTIONS

Electrical diagram

Image:

# OTHERS

Dimensions



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