



# UH

## UHS/CP-0A

Ultra.25x50x13,PNP-NC,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              | 1100mm        |
| Beam angle                            | $\pm 9^\circ$ |
| Sensitivity adjustment                | No            |
| thermal compensation                  | Yes           |
| Minimum sensing distance (blind zone) | 0mm           |

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Application                      |                                                   |
| Function Principle               | Emitter + Receiver                                |
| Outputs                          |                                                   |
| Output type                      | PNP                                               |
| Output Function                  | NC                                                |
| Switching frequency              | 500Hz                                             |
| Response time                    | 1ms                                               |
| Electrical data                  |                                                   |
| Operating Voltage                | 19 - 30Vdc                                        |
| Load current                     | 40mA                                              |
| Leakage current                  | < 10μA                                            |
| Output voltage drop              | < 2,5V                                            |
| Max ripple content               | < 10%                                             |
| LED indicators                   | Yellow LED (output active or incorrect alignment) |
| Time delay before availability   | < 200ms                                           |
| Short-circuit protection         | Yes                                               |
| Reverse Polarity Protection      | Yes                                               |
| Impulsive Overvoltage Protection | Yes                                               |
| Mechanical data                  |                                                   |

|                       |                                   |
|-----------------------|-----------------------------------|
| Dimensions            | 24 x 50 x 15mm                    |
| Housing material      | PBTP                              |
| Weight                | 150g                              |
| Connections           | 2m PVC cable                      |
| Active Head Material  | ceramics                          |
| Operating temperature | - 15°C...+ 60°C                   |
| Storage temperature   | - 25°C...+ 75° C (without freeze) |
| Transducer Frequency  | 180KHz                            |
| 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 50 x 15mm  |
| Operating Temperature | - 15°C...+ 60°C |
| Mechanical Protection | IP67            |

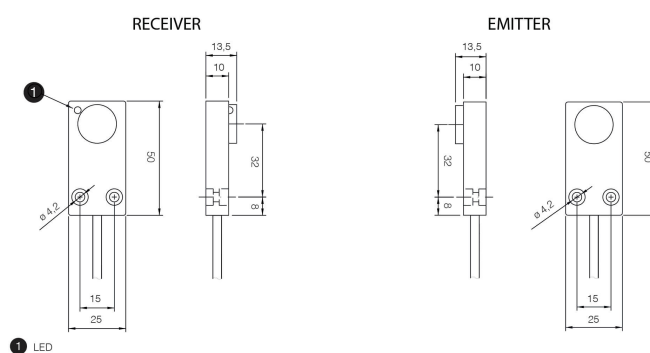
# CONNECTIONS

Eletrical diagram

Image:

## OTHERS

Dimensions



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