

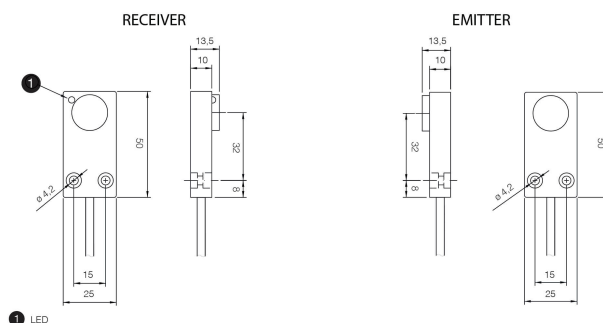


Indicative image



CUBIC THROUGH BEAM ULTRASONIC SENSORS

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



Detection properties

Nominal sensing distance	1100mm
Beam angle	± 9°
Sensitivity adjustment	No
thermal compensation	Yes
Minimum sensing distance (blind zone)	0mm

Application

Function Principle	Emitter + Receiver
1. The emitter transmits a signal to the receiver. 2. The receiver receives the signal and processes it. 3. The receiver sends a response back to the emitter.	1. The emitter transmits a signal to the receiver. 2. The receiver receives the signal and processes it. 3. The receiver sends a response back to the emitter.

Outputs

Output type	NPN
Output Function	NO
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
Weight	150g
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	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

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