IPF ELECTRONIC

UT30A547

ULTRASONIC SENSORS • DIFFUSE REFLECTIONS SENSORS

Ultrasonic sensors are non-contact and wear-free position switches which can also be used under rough environmental conditions. A key advantage of these devices lies in the fact that the material and the surface characteristics of the objects to be detected can be almost anything. Solids, liquids, grainy materials and powdery materials can be identified without the shape or the color of the object having any influence to the measured result. In addition, the ability to detect transparent materials such as films and fluids is of particular importance. The shape and color of the objects do not influence the result of the detection. The capability to detect transparent films or liquids is also of special importance. Ultrasonic sensors are used for distance measurement (e.g. detection of diameters,



loop control), for fill level detection (e.g. silo detection), for positioning and presence detection (e.g. glass pane positioning, film tear check, glass bottle detection)

-20 °C 70 °C
IP67
Yes
Cylinder, screw-thread
Plastic
PBT
128 mm
90 mm
1.5 mm
30
300 mm 3500 mm
Yes
130 kHz
1%
500 mA
300 mm 3500 mm
80 mA
2
0.2 %
Yes
300 mm 3500 mm
Teach-In
Yes
Yes
8°

MECHANICAL DATA

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ELECTRICAL DATA

Supply voltage	12 V 30 V
Switching frequency	0.5 Hz
Switching output with window function	Yes
Synchronization possible	No
Type of electrical connection	Connector M12
Type of switching function	Programmable/configurable
Type of switching output	PNP
Voltage type	DC
With LED display	Yes
ΟΤΗΕΡ ΠΑΤΑ	
With LED display OTHER DATA	Yes

Dead zone	300 mm
Level detection	Yes
Loop control	Yes
Object detection on conveyor systems	Yes

DIMENSIONAL DRAWING

INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!





SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!