

UT306140

Ultrasonic sensors • Pushbuttons

Ultrasonic sensor, diffuse reflection sensor, M30x1.5 138long, Sn: 150-1500, 1x connection to amplifier, B-connector 7-pin, IP65, stainl. steel, LED, axial sound cone

including Nut



Ultrasonic sensors are contactless and wear-free position switches that can also be used in harsh environmental conditions. A major advantage of these devices is that the material and surface properties of the objects to be detected can be almost any. Solid, liquid, granular and powdery materials can be recognized. The shape and color of the objects have no influence on the detection result. The ability to detect transparent materials such as foils or liquids is also of particular importance. Ultrasonic sensors are used for distance measurement (e.g. diameter detection, loop control), level or filling height control (e.g. silo detection), positioning and presence detection (e.g. glass pane positioning, film tear control, glass bottle detection).

Electrical features

Number of switching outputs	1
Display	LED display
Type of switching function	externer Verstärker
Type of electrical connection	B-connector
Type of switching output	Amplifier
No-load current	20 mA
Number of pins	7
Relative repeat accuracy	0.25 %
Sound outlet	axial
Carrier frequency	220 kHz
Measuring range	150 - 1500 mm
Input function	Synchronization
ardTEEL_Schutzfunktionen	Reverse polarity protection Short circuit protection

Mechanical features

Design	Cylinder, screw-thread
Thread length	90 mm
Thread pitch	1.5 mm
Length	138 mm
Degree of protection (IP)	IP65
Housing material	Stainless steel
Thread dimension	M30
Ambient temperature	0 - 70 °C

Optical features

Angle of beam spread	10 °
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Other features

Operating frequency	220 kHz
ardTE00_Anwendungen	Level sensing

Classification

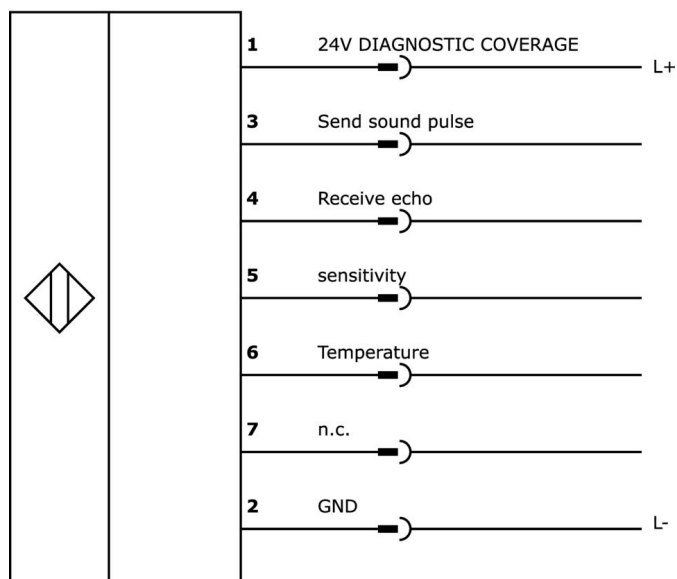
ETIM 8	EC001849 Ultrasonic probe
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More

IPF Product Group	259 ultrasonic sensors (analog)
packaging dimensions	170 x 107 x 52 mm
gross weight	300 g
Customs tariff number	85365019
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

Connection to amplifier



Extract accessories program

AY000162



Accessories, magnetic, Ø43mm, neodymium-iron-boron, inside thread M5, rubber

AY000159



Accessories sensor, mounting tube, Ø12mm 200long, aluminum anodized/anodized

AY000027



accessories, Hexagon nut, M30x1.5, Wrench size 36mm, Brass Nickel-plated

AY000061



accessories sensor, Ø30mm, Plastic, For sensor 30mm, for Wall mounting, Screw mounting

AY000129



Accessories, magnetic, Ø66mm, neodymium-iron-boron, inside thread M6, rubber

AY000144



accessories sensor, Adapter plate, 3x30x85mm, Stainless steel 1.4305

NG530002



DC power supply, single-phase, 99x114x22mm, 24V, 0.1A, Number of relay outputs 2, 100-264V AC 50Hz, 100-264V AC 60Hz, Screw connection, IP20, Plastic, Stabilized, Output voltage, pulsed

AY000015



accessories sensor, Reduction sleeve, M30, Plastic

AU000003



accessories ultrasonic, Deflection bracket, 50x105mm, Deflection bracket, Steel, 90°

You can find further accessories on our homepage



Installation

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



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

Safety warnings

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.