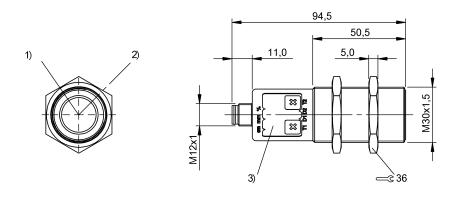
Ultrasonic Sensors BUS M30M1-XC-20/130-S92K Order Code: BUS003F





EHE C€

1) Ultrasonic transducer axis, 2) Exit direction 90° connector, 3) Display and control panel



IND. CONT. EQ 5HP6 for use in the secondary of a class 2 source of supply

Basic features

C

Application Approval/Conformity

Operating mode

Series

Distance measurement cULus LISTED CE EAC WEEE Analog measurement (output curve) M30M1

Display/Operation

		14 (Q.)
t	Adjuster	Key (2x)
	Setting	Filter strength (10 levels)
		Segment displ. bright/dark/off
		Synchronous/Multiplex mode
		Response delay 0 to 20 s
output		Foreground suppression range
		Multiplex sensor address
		Sensor calibration
		Temperature comp. on/off
		Output curve rising/falling
		Analog output U/I/Auto
		Segment display mode
		Synchronization on/off
		Multiplex speed
		Measured value filter
		Hysteresis
		Detection range (3 levels)
		Teach-in mode display/button
		Factory setting (Reset)
		Key disable on/off
		Operating mode
		Switching distance, 2 values
		Normally open/Normally closed
		Output curve window

Electrical connection

Connection	M12x1-Male, 5-pin
Polarity reversal protected	yes
Short-circuit protection	yes

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Electrical data

Ambient temperature

Storage temperature

Functional safety

Protection degree

80 mA
Synchronization signal
500 Ohm at UB > 20 V
100 Ohm at UB < 20 V
100 kOhm at UB > 15 V
930 VDC
24 V
internal, max. 10 sensors
200 kHz

Housing material	Brass PBT, TPU
Material sensing surface	PU foam/Epoxy resin/Glass
Surface protection	nickel plated
Mechanical data	
Dimension	Ø 30 x 94.5 mm
Mounting	Nut M30x1.5
Output/Interface	
Analog output	Analog, voltage/Analog, curren 010 V/420 mA
Output characteristic	linear rising/falling
Range/Distance	
Range	2002000 mm
Rated operating distance Sn	1300 mm
Repeat accuracy	± 0.15 %FS
Resolution	< 0.180 mm

Remarks

MTTF (40 °C)

The sensor is functional again after the overload has been eliminated. Reference object for Sn: tube ø27mm. Max. range refers to the aligned plate. Do not press key using a pointed tool. Order accessories separately. For additional information, refer to user's guide. For more information about MTTF and B10d see MTTF / B10d Certificate

-25...70 °C

IP67 -40...85 °C

1483 a

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Material

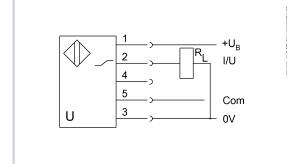
Connector Drawings



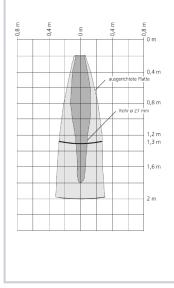
Ultrasonic Sensors BUS M30M1-XC-20/130-S92K Order Code: BUS003F



Wiring Diagrams



Technical Drawings



Help Views

