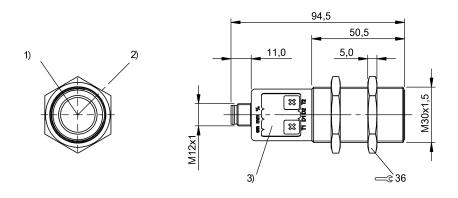
Ultrasonic Sensors BUS M30M1-PPC-20/130-S92K **Order Code: BUS0038**





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





Display/Operation

Basic features		Display/Operation	
Application	Distance measurement	Adjuster	Key (2x)
	Object detection	Setting	Response delay 0 to 20 s
Approval/Conformity	cULus LISTED		Filter strength (10 levels)
	CE		Segment displ. bright/dark/off
	EAC		Foreground suppression range
	WEEE		Multiplex sensor address
Operating mode	Refl.light scanner (window)		Sensor calibration
	Reflectionlight scanner (switching		Temperature comp. on/off
	point)		Output curve rising/falling
	Retro-reflector		Analog output U/I/Auto
	Analog measurement (output		Segment display mode
	curve)		Synchronous/Multiplex mode
Series	M30M1		Synchronization on/off
benes	WSOWI		Multiplex speed
			Measured value filter
			Hysteresis
			Key disable on/off
			Normally open/Normally closed
			Switching distance, 2 values
			Operating mode
			Detection range (3 levels)
			Teach-in mode display/button
			Factory setting (Reset)
			Output curve window

Electrical connection

Connection	M1
Polarity reversal protected	yes
Short-circuit protection	ves

12x1-Male, 5-pin s yes

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Electrical data

Current draw max.	80 mA
Hysteresis H max.	20 mm
Input function	Synchronization signal
Load resistance RL max. (Analog I)	500 Ohm at UB 20 V
	100 Ohm at UB 20 V
Load resistance RL min. (Analog V)	100 kOhm at UB 15 V
Operating voltage Ub	930 VDC
Output current max.	200 mA
Rated operating voltage Ue DC	24 V
Switching frequency	8 Hz
Synchronization	internal, max. 10 sensors
Ultrasonic Frequency	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	
Output/Interface		
Analog output	Analog, voltage/Analog, current	
	010 V/420 mA	
Output characteristic	linear rising/falling	
Switching output	PNP normally open/normally	
	closed (NO/NC)	
Range/Distance		
Range	2002000 mm	
Rated operating distance Sn	1300 mm	
Repeat accuracy	± 0.15 %FS	
Resolution	≤ 0.180 mm	

Environmental conditions

Ambient temperature	-2570 °C
Protection degree	IP67
Storage temperature	-4085 °C

Functional safety

MTTF (40 °C)

Remarks

Do not press key using a pointed tool.

For additional information, refer to user's guide.

Order accessories separately.

The sensor is functional again after the overload has been eliminated.

Reference object for Sn: tube \emptyset 27mm. Max. range refers to the aligned plate.

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For more information about MTTF and B10d see MTTF / B10d Certificate

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

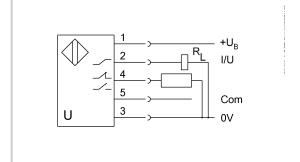
Connector Drawings



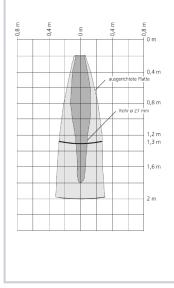
Ultrasonic Sensors BUS M30M1-PPC-20/130-S92K Order Code: BUS0038



Wiring Diagrams



Technical Drawings



Help Views

