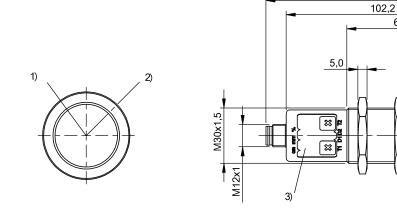
Ultrasonic Sensors BUS M30M1-PPC-35/340-S92K Order Code: BUS003L



19,4

____∕Ø 34,0

Ø47,5



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

Basic features		Display/Operation	
Application	Distance measurement Object detection	Adjuster Setting	Key (2x) Response delay 0 to 20 s
Approval/Conformity	cULus LISTED CE EAC WEEE		Filter strength (10 levels) Segment displ. bright/dark/off Foreground suppression range Multiplex sensor address
Operating mode	Refl.light scanner (window) Reflectionlight scanner (switching point) Retro-reflector Analog measurement (output curve)		Sensor calibration Temperature comp. on/off Output curve rising/falling Analog output U/I/Auto Segment display mode Synchronous/Multiplex mode
Series	M30M1		Synchronization on/off 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	M12x1-Male, 5-pin

113,2

69,2

____36

33,2

Connection	M12
Polarity reversal protected	yes
Short-circuit protection	yes

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Electrical data

80 mA
00 IIIA
50 mm
Synchronization signal
500 Ohm at UB 20 V
100 Ohm at UB 20 V
100 kOhm at UB 15 V
930 VDC
200 mA
24 V
4 Hz
internal, max. 10 sensors
120 kHz

Material	
Housing material Material sensing surface	Brass PBT, TPU PU foam/Epoxy resin/Glass
Surface protection	nickel plated
Mechanical data	
Dimension	Ø 47.5 x 113.2 mm
Mounting	Nut M30x1.5
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	3505000 mm
Rated operating distance Sn	3400 mm

± 0.15 %FS

≤ 0.180 mm

MTTF (40 °C)

Ambient temperature

Storage temperature

Functional safety

Protection degree

Remarks

Do not press key using a pointed tool.

For additional information, refer to user's guide. Order accessories separately.

Environmental conditions

The sensor is functional again after the overload has been eliminated. Reference object for Sn: tube ø27mm. Max. range refers to the aligned plate.

For more information about MTTE and D10d and MTTE (D10d Optificate

-25...70 °C

-40...85 °C

IP67

1483 a

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.

Repeat accuracy

Resolution

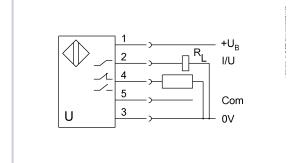
Connector Drawings



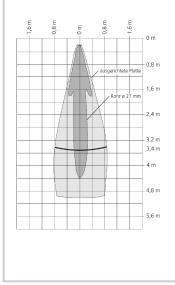
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Wiring Diagrams



Technical Drawings



Help Views

