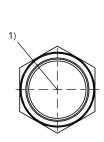
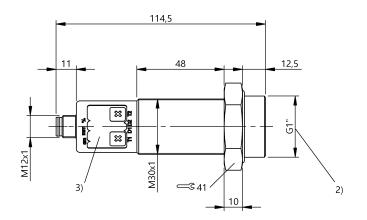
# BUS M30E2-PPC-20/130-S92K-G1

Order Code: BUS005W







1) Ultrasonic transducer, 2) Process connection, 3) Display and control panel









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asic features	
pplication	Distance measurer
	Object detection

Approval/Conformity cULus CE WEEE UKCA

Operating mode Reflectionlight scanner (switching

point)

Analog measurement (output

curve)

Refl.light scanner (window)

Retro-reflector M30E2

Series

# Display/Operation

Adjuster	Key (2x)
Display	Distance

Distance value - segment display Output function- LED yellow Object not in range - LED red Object in range - LED green Sensor settings - segment display Teach-in mode display/button Setting Analog output U/I/Auto/manual

Operating mode

Switching distance, 2 values

Normally open/Normally closed Key disable on/off

Factory setting (Reset)

Subject to change without notice: PV123388

Hysteresis Measured value filter Sensitivity under pressure Synchronization on/off Synchronous/Multiplex mode Output curve window Segment display mode Output curve rising/falling Temperature comp. on/off Sensor calibration Multiplex sensor address Foreground suppression range Response delay 0 to 20 s Filter strength (10 levels) Segment displ. bright/dark/off

### Ultrasonic Sensors

# BUS M30E2-PPC-20/130-S92K-G1 Order Code: BUS005W



#### Electrical connection

Connection M12x1-Male, 5-pin

Polarity reversal protected yes Short-circuit protection yes

#### Electrical data

Switching frequency

Current draw max. 80 mA Hysteresis H max. 20 mm

Input functionSynchronization signalLoad resistance RL max. (Analog I)500 Ohm at UB > 20 V<br/>100 Ohm at UB < 20 V</td>Load resistance RL min. (Analog V)100 kOhm at UB > 15 V

Load resistance RL min. (Analog V)100 kOhm at UtOperating voltage Ub9...30 VDCOutput current max.200 mARated operating voltage Ue DC24 V

**Synchronization** internal, max. 10 sensors

5 Hz

Ultrasonic Frequency 180 kHz

### **Environmental conditions**

#### Interface

Analog output Analog, voltage/Analog, current

0...10 V/4...20 mA **Output characteristic** linear rising/falling

Switching output PNP normally open/normally closed (NO/NC)

Material

Housing material 1.4571 stainless steel

PBT, TPU

Material sensing surface PTFE

## Mechanical data

**Dimension** Ø 47 x 114.5 mm

Pressure rating max. 6 bar
Process connection G 1"

### Range/Distance

Measuring range200...5000 mmRated operating distance Sn1300 mmRepeat accuracy $\pm$  0.15 %FSResolution $\leq$  0.180 mm

### Remarks

Order accessories separately.

Do not press key using a pointed tool.

Reference object for Sn: tube ø27mm. Max. range refers to the aligned plate.

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

For additional information, refer to user's guide.

Sensor suitable for pressure up to 6 bar

Sensor is chemically resistant

# **Connector Drawings**



# BUS M30E2-PPC-20/130-S92K-G1

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