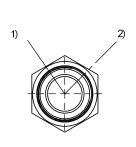
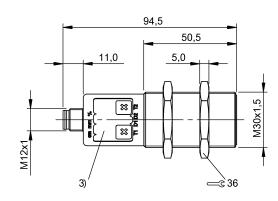
BUS M30M1-XC-20/130-S92K

Order Code: BUS003F







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









EFFE ZE CE CULUS THE STEP STORE THE SECONDARY OF A class 2 source of supply

Basic features

Application

Approval/Conformity

CE EAC WEEE

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Operating mode

Analog measurement (output

Distance measurement

curve)

Series

M30M1

Display/Operation

Adjuster Setting

Key (2x)

Filter strength (10 levels) Segment displ. bright/dark/off Synchronous/Multiplex mode Response delay 0 to 20 s 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

Subject to change without notice: 223089

Connection M12x1-Male, 5-pin

Polarity reversal protected yes **Short-circuit protection** yes

Ultrasonic Sensors

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



Electrical data

Current draw max. 80 mA
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 9...30 VDC
Rated operating voltage Ue DC 24 V

Synchronization internal, max. 10 sensors

Ultrasonic Frequency 200 kHz

Environmental conditions

Ambient temperature -25...70 °C
Protection degree IP67
Storage temperature -40...85 °C

Functional safety

Material

 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, current 0...10 V/4...20 mA

Output characteristic linear rising/falling

Range/Distance

 Range
 200...2000 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 $\emptyset 27 mm$. Max. range refers to the aligned plate.

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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

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.

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Connector Drawings



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