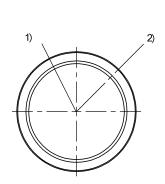
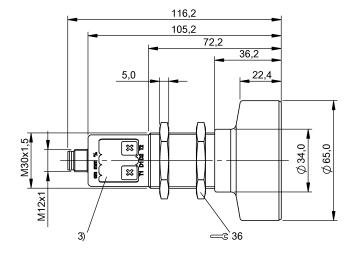
BUS M30M1-XC-60/600-S92K

Order Code: BUS0041







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









Basic features

Application

Approval/Conformity

CE FAC

Operating mode Analog measurement (output

curve)

Series

Distance measurement

cULus LISTED

WEEE UKCA

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

Connection M12x1-Male, 5-pin

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

Ultrasonic Sensors

BUS M30M1-XC-60/600-S92K Order Code: BUS0041



Electrical data

Current draw max. 80 mA

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 80 kHz

Environmental conditions

Ambient temperature $-25...70 \,^{\circ}\text{C}$ IP rating IP67 Storage temperature $-40...85 \,^{\circ}\text{C}$

Functional safety

MTTF (40 °C) 1483 a

Interface

Analog output Analog, voltage/Analog, current

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

Output characteristic linear rising/falling

Material

Housing material Brass, nickel-plated

PBT, TPU

Material sensing surface PU foam/Epoxy resin/Glass

Surface protection nickel-plated

Mechanical data

Range/Distance

Range600...8000 mmRated operating distance Sn6000 mmRepeat accuracy \pm 0.15 %FSResolution≤ 0.180 mm

Remarks

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

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.

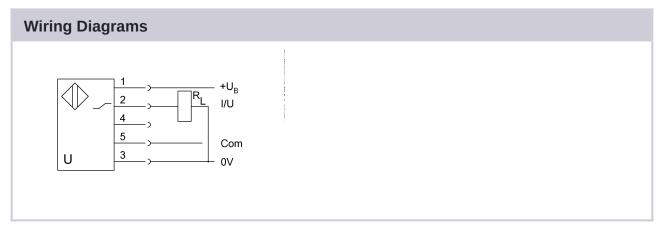
Connector Drawings

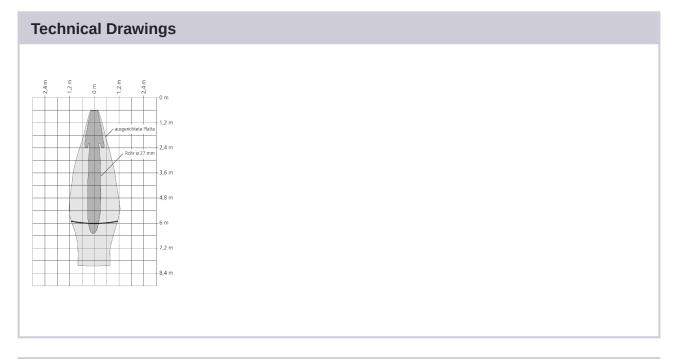


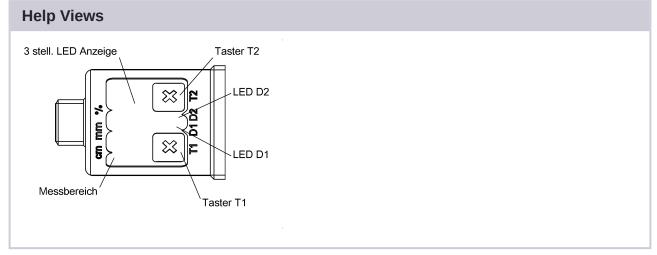
BUS M30M1-XC-60/600-S92K

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Subject to change without notice: 223106