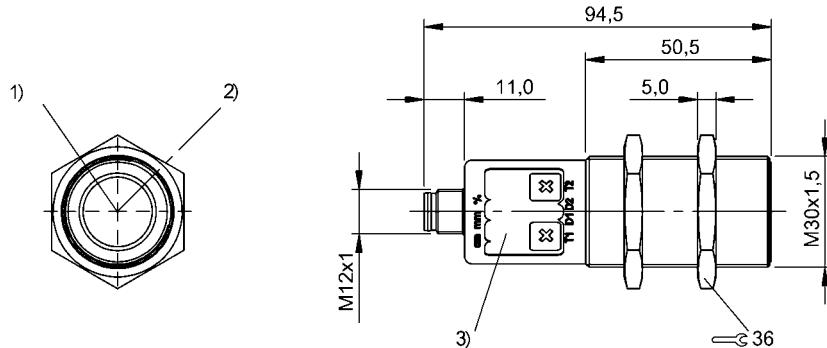


Ultrasonic Sensors

BUS M30E1-PWX-20/130-S92K

Order Code: BUS003H

BALLUFF

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



Basic features

Application Object detection

Approval/Conformity cULus
CE
WEEE
UKCA

Operating mode Reflectionlight scanner (switching point)

Refl.light scanner (window)

Retro-reflector

Series M30E1

Display/Operation

Adjuster Key (2x)

Display Distance value - segment display
Output function- LED yellow
LED green: Power
Sensor settings - segment displaySetting Multiplex speed
Synchronization on/off

Synchronous/Multiplex mode

Segment displ. bright/dark/off

Filter strength (10 levels)

Response delay 0 to 20 s

Foreground suppression range

Multiplex sensor address

Sensor calibration

Temperature comp. on/off

Measured value filter

Hysteresis

Detection range (3 levels)

Teach-in mode display/button

Factory setting (Reset)

Operating mode

Switching distance, 2 values

Normally open/Normally closed

Key disable on/off

Electrical connection

Connection M12x1-Male, 5-pin

Polarity reversal protected yes

Short-circuit protection yes

Ultrasonic Sensors
BUS M30E1-PWX-20/130-S92K
Order Code: **BUS003H**

BALLUFF

Electrical data

Current draw max.	80 mA
Hysteresis H max.	20 mm
Input function	Synchronization signal
Operating voltage Ub	9...30 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

Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP67
Storage temperature	-40...85 °C

Functional safety

MTTF (40 °C)	1483 a
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Remarks

For additional information, refer to user's guide.

Order accessories separately.

Do not press key using a pointed tool.

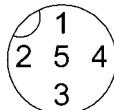
Reference object for Sn: tube ø27mm. Max. range refers to the aligned plate.

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

For 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.

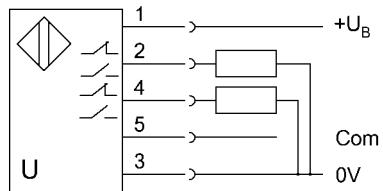
Connector Drawings



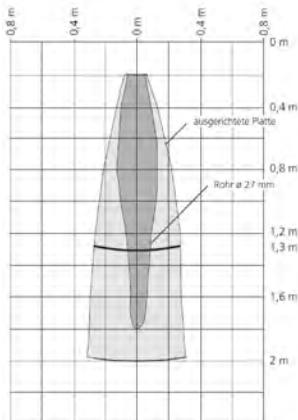
Ultrasonic Sensors
BUS M30E1-PWX-20/130-S92K
Order Code: BUS003H

BALLUFF

Wiring Diagrams



Technical Drawings



Help Views

