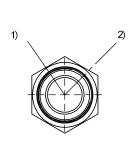
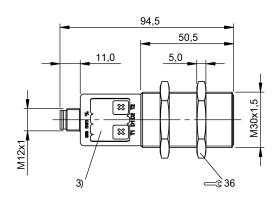
# BUS M30M1-PWX-20/130-S92K

Order Code: BUS003C







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









## **Basic features**

Dasic icatares	
Application	Object detection
Approval/Conformity	cULus
	CE
	WEEE
	UKCA
Operating mode	Retro-reflector
	Reflectionlight scanner (switching
	point)
	Refl.light scanner (window)
Series	M30M1

# Display/Operation

Adjuster

Display	Distance value - segment display Output function- LED yellow LED green: Power Sensor settings - segment display
Setting	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)

Key (2x)

### **Electrical connection**

Connection	M12x1-Male, 5-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Key disable on/off Operating mode

Switching distance, 2 values Normally open/Normally closed

#### **Ultrasonic Sensors**

# BUS M30M1-PWX-20/130-S92K Order Code: BUS003C



#### **Electrical data**

Current draw max.80 mAHysteresis 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

#### Interface

Switching output 2x PNP normally open/normally

closed (NO/NC)

#### Material

Housing material Brass, nickel-plated

PBT, TPU

Material sensing surface PU foam/Epoxy resin/Glass

Surface protection nickel-plated

#### Mechanical data

DimensionØ 30 x 94.5 mmMounting partNut M30x1.5

#### Range/Distance

 Measuring range
 200...2000 mm

 Rated operating distance Sn
 1300 mm

 Repeat accuracy
 ± 0.15 %FS

 Resolution
 ≤ 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.

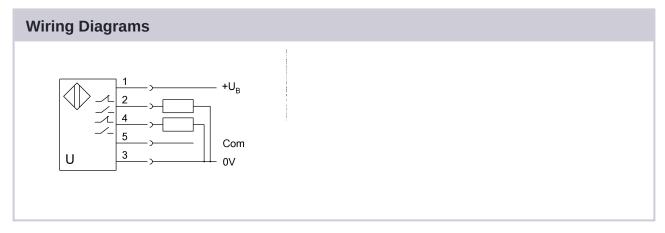
### **Connector Drawings**



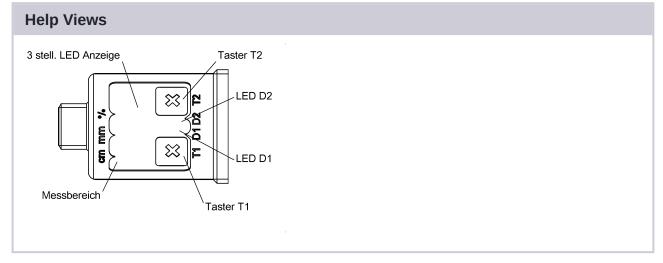
# BUS M30M1-PWX-20/130-S92K

Order Code: BUS003C









Subject to change without notice: 223087