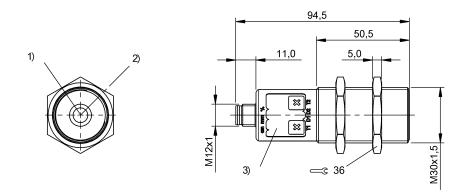
## Ultrasonic Sensors BUS M30M1-PPX-03/025-S92K Order Code: BUS0022





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

#### 

#### **Basic features**

#### Application Approval/Conformity

Operating mode

Series

Object detection cULus LISTED CE EAC WEEE UKCA Retro-reflector Reflectionlight scanner (switching point) Refl.light scanner (window) M30M1

### **Display/Operation**

Adjuster	Key (2x)
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 disable on/off
	Operating mode
	Switching distance, 2 values
	Normally open/Normally closed

## **Electrical connection**

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

# Ultrasonic Sensors BUS M30M1-PPX-03/025-S92K Order Code: BUS0022

#### **Electrical data**



Interface
-----------

Current draw max.	80 mA	Switching output	PNP normally open/normally
Hysteresis H max.	3 mm		closed (NO/NC)
Input function	Synchronization signal		
Operating voltage Ub	930 VDC	Material	
Output current max.	200 mA	Housing material	Brass, nickel-plated
Rated operating voltage Ue DC	24 V	Housing material	PBT, TPU
Switching frequency	25 Hz	Material sensing surface	PU foam/Epoxy resin/Glass
Synchronization	internal, max. 10 sensors	Surface protection	nickel-plated
Ultrasonic Frequency	320 kHz		model plated
Environmental conditior		Mechanical data	
	15	Dimension	Ø 30 x 94.5 mm
Ambient temperature	-2570 °C	Mounting part	Nut M30x1.5
IP rating	IP67		
Storage temperature	-4085 °C	Range/Distance	
Functional safety		Range	30350 mm
MTTF (40 °C)		Rated operating distance Sn	250 mm
	1483 a	Repeat accuracy	± 0.15 %FS
		(opour aboundo)	10.10 /01 0

#### Remarks

The sensor is functional again after the overload has been eliminated. Reference object for Sn: tube ø10mm. 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.

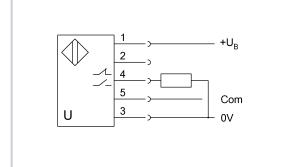
## **Connector Drawings**



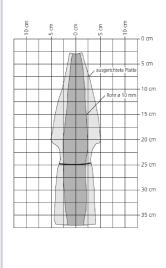
# Ultrasonic Sensors BUS M30M1-PPX-03/025-S92K Order Code: BUS0022

# BALLUFF

## Wiring Diagrams



# **Technical Drawings**



## **Help Views**

