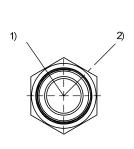
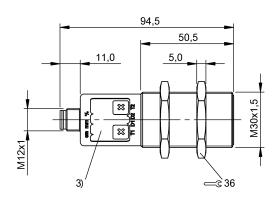
BUS M30M1-PPX-20/130-S92K

Order Code: BUS0039







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









Basic features

Application Object detection Approval/Conformity cULus LISTED CE EAC

WEEE UKCA

Operating mode

Reflectionlight scanner (switching

M30M1

Refl.light scanner (window)

Series

Retro-reflector

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

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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 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

 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.

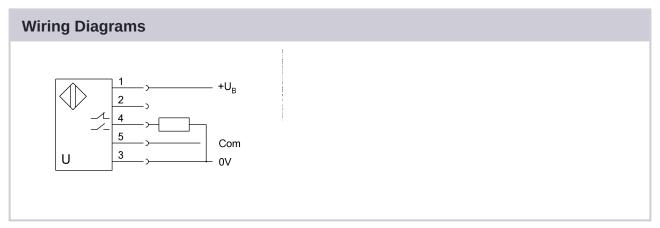
Connector Drawings



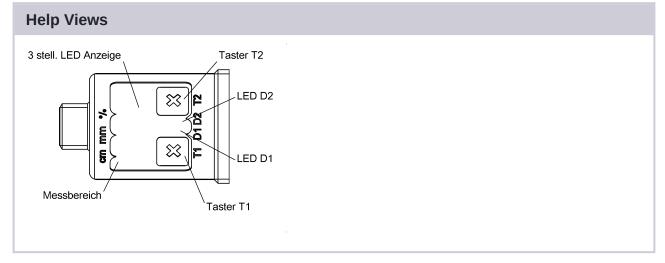
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Subject to change without notice: 223085