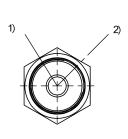
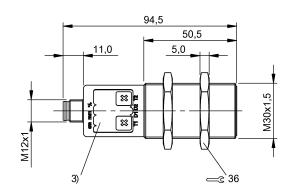
BUS M30M1-PPX-07/035-S92K

Order Code: BUS005F







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 Retro-reflector

Operating mode

Reflectionlight scanner (switching

M30M1

Refl.light scanner (window)

Series

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

Subject to change without notice: 225889

Connection M12x1-Male, 5-pin

Polarity reversal protected yes Short-circuit protection yes

Ultrasonic Sensors

BUS M30M1-PPX-07/035-S92K Order Code: BUS005F



Electrical data

Current draw max.80 mAHysteresis H max.5 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 12 Hz

Synchronization internal, max. 10 sensors

Ultrasonic Frequency 400 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
 65...600 mm

 Rated operating distance Sn
 350 mm

 Repeat accuracy
 ± 0.15 %FS

 Resolution
 ≤ 0.025 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.

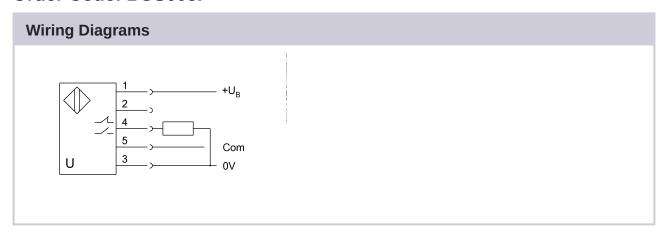
Connector Drawings



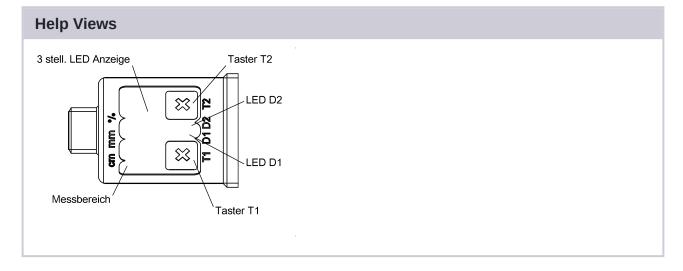
BUS M30M1-PPX-07/035-S92K

BALLUFF

Order Code: BUS005F







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