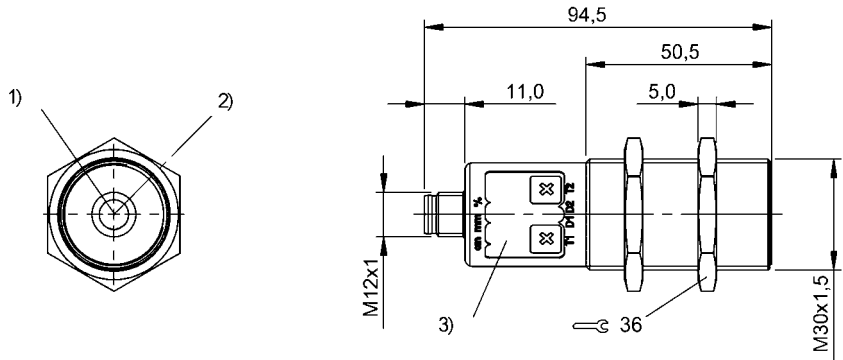


Ultrasonic Sensors
BUS M30E1-PWX-03/025-S92K
Order Code: BUS002P



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 display
Setting	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 Multiplex speed 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

Electrical data

Current draw max.	80 mA
Hysteresis H max.	3 mm
Input function	Synchronization signal
Operating voltage U_B	9...30 VDC
Output current max.	200 mA
Rated operating voltage U_e DC	24 V
Switching frequency	25 Hz
Synchronization	internal, max. 10 sensors
Ultrasonic Frequency	320 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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Interface

Switching output	2x PNP normally open/normally closed (NO/NC)
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Material

Housing material	Stainless steel PBT, TPU
Material sensing surface	PU foam/Epoxy resin/Glass

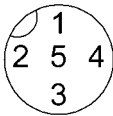
Mechanical data

Dimension	Ø 30 x 94.5 mm
Mounting part	Nut M30x1.5

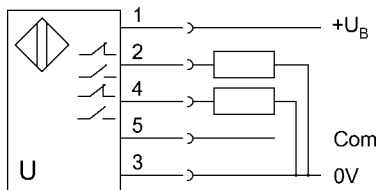
Range/Distance

Measuring range	30...350 mm
Rated operating distance S_n	250 mm
Repeat accuracy	± 0.15 %FS
Resolution	≤ 0.025 mm

Connector Drawings



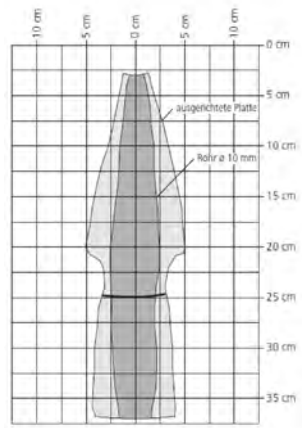
Wiring Diagrams



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Technical Drawings



Help Views

