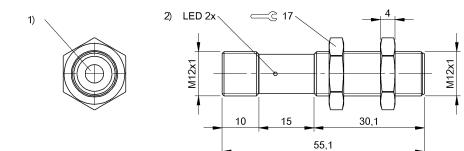
BUS M12M1-PPX-02/015-S04G

Order Code: BUS0065





1) Ultrasonic transducer axis, 2) Exit direction 90° connector, 3) Operating voltage, 4) Output function









Basic features

Application	Object detection
Approval/Conformity	cULus
	CE
	WEEE
	UKCA
Operating mode	Reflectionlight scanner (switching
	point)
	Refl.light scanner (window)
	Retro-reflector
Series	M12M1

Display/Operation

Adjuster	no
Display	Run - LED green
	Switching state - LED yellow

Electrical connection

Connection	M12x1-Male, 4-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Current draw max. 2	25 mA
Hysteresis H max. 2	2 mm
Operating voltage Ub	L030 VDC
Output current max. 2	200 mA
Rated operating voltage Ue DC 2	24 V
Switching frequency 2	25 Hz
Ultrasonic Frequency 3	880 kHz

Environmental conditions

Ambient temperature	-2570 °C
IP rating	IP67
Storage temperature	-4085 °C

Functional safety

MTTF (40 °C)	605 a

Interface

Switching output	PNP normally open/normally
	closed (NO/NC)

Material

Housing material	Nickel-plated brass, nickel-plated
	PBT

Material sensing surface	PU foam/Epoxy resin/Glass
Surface protection	nickel-plated

Ultrasonic Sensors

BUS M12M1-PPX-02/015-S04G Order Code: BUS0065



Mechanical data

Dimension Ø 12 x 55.1 mm **Mounting part** Nut M12x1

Range/Distance

Measuring range20...250 mmRated operating distance Sn150 mmRepeat accuracy \pm 0.15 %FSResolution≤ 0.069 mm

Remarks

For additional information, refer to user's guide.

Order accessories separately.

Reference object for Sn: tube ø10mm. Max. range refers to the aligned plate.

The sensor is functional again after the overload has been eliminated.

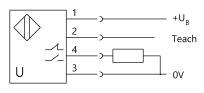
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Wiring Diagrams

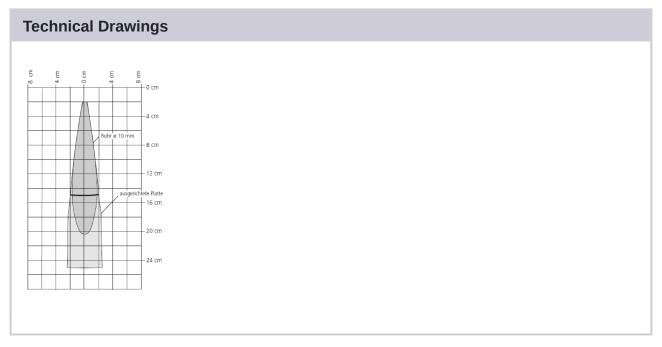


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BUS M12M1-PPX-02/015-S04G

Order Code: BUS0065





Subject to change without notice: 257622