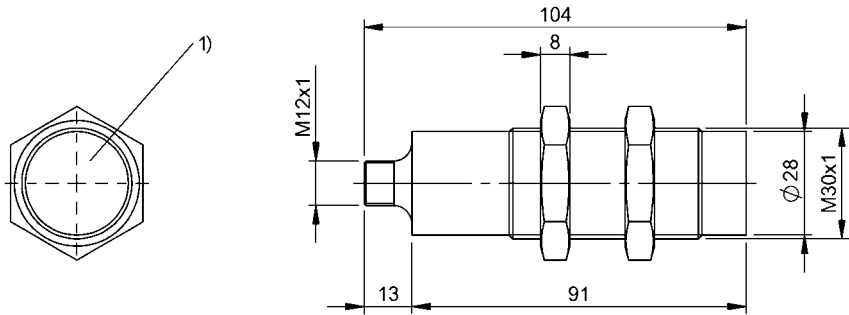




1) Ultrasonic transducer



Basic features

Series	M30E0
Connection	M12x1-Male, 5-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Current draw max.	25 mA
Operating voltage U_b	20...30 VDC
Rated operating voltage U_e DC	24 V
Ultrasonic Frequency	120 kHz

Environmental conditions

Ambient temperature	-20...70 °C
IP rating	IP68
Storage temperature	-40...80 °C

Functional safety

MTTF (40 °C)	65 a
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Interface

Analog output	Analog, current 4...20 mA
Output characteristic	linear increasing

Material

Housing material	1.4404 stainless steel
Material sensing surface	1.4404 stainless steel

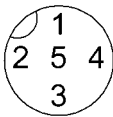
Mechanical data

Dimension	Ø 30 x 104 mm
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Range/Distance

Measuring range	150...2000 mm
Rated operating distance S_n	1500 mm
Repeat accuracy	0.2 %FS
Resolution	≤ 0.5 mm

Connector Drawings



Wiring Diagrams

