

1) Ultrasonic transducer

Basic features

Application	Object detection
Approval/Conformity	CE designed according to EHEDG specifications WEEE
Operating mode	Reflectionlight scanner (switching point)
Series	M30E0

Display/Operation

Adjuster	no
-----------------	----

Electrical connection

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
Output current max.	200 mA
Rated operating voltage U_e DC	24 V
Ultrasonic Frequency	120 kHz

Environmental conditions

Ambient temperature	-20...70 °C
Protection degree	IP68
Storage temperature	-40...80 °C

Functional safety

MTTF (40 °C)	65 a
---------------------	------

Material

Housing material	Stainless steel (1.4404)
Material sensing surface	Stainless steel (1.4404)

Mechanical data

Dimension	Ø 30 x 104 mm
Mounting	M30x1.5

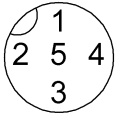
Output/Interface

Switching output	PNP normally open (NO)
-------------------------	------------------------

Range/Distance

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

Connector Drawings



Wiring Diagrams

