



1) Ultrasonic transducer



### Basic features

<b>Application</b>	Object detection
<b>Approval/Conformity</b>	CE designed according to EHEDG specifications WEEE EAC
<b>Operating mode</b>	Reflectionlight scanner (switching point)
<b>Series</b>	G30E0

### Display/Operation

<b>Adjuster</b>	no
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### Electrical connection

<b>Cable length L</b>	2 m
<b>Connection type</b>	Cable, 2 m, PVC
<b>Number of conductors</b>	5
<b>Polarity reversal protected</b>	yes
<b>Short-circuit protection</b>	yes

### Electrical data

<b>Current draw max.</b>	25 mA
<b>Operating voltage U<sub>b</sub></b>	20...30 VDC
<b>Output current max.</b>	200 mA
<b>Rated operating voltage U<sub>e</sub> DC</b>	24 V
<b>Ultrasonic Frequency</b>	120 kHz

### Environmental conditions

<b>Ambient temperature</b>	-20...70 °C
<b>IP rating</b>	IP69K
<b>Storage temperature</b>	-30...75 °C

### Functional safety

<b>MTTF (40 °C)</b>	65 a
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### Interface

<b>Switching output</b>	PNP normally open (NO)
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### Material

<b>Housing material</b>	Stainless steel (1.4404)
<b>Material jacket</b>	PVC
<b>Material sensing surface</b>	Stainless steel (1.4404)

### Mechanical data

<b>Dimension</b>	∅ 30 x 106 mm
<b>Mounting part</b>	Clamps

### Range/Distance

<b>Range</b>	150...2000 mm
<b>Rated operating distance S<sub>n</sub></b>	1500 mm
<b>Repeat accuracy</b>	0.2 %FS
<b>Resolution</b>	≤ 0.5 mm

Ultrasonic Sensors  
**BUS G30E0-PSX-15/150-EP02-S**  
Order Code: BUS006L



Remarks

Reference object 100 x 100 mm<sup>2</sup> for reliable detection  
EHEDG approved clamp included in scope of delivery  
Observe cleaning and assembly instructions  
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.

Wiring Diagrams

