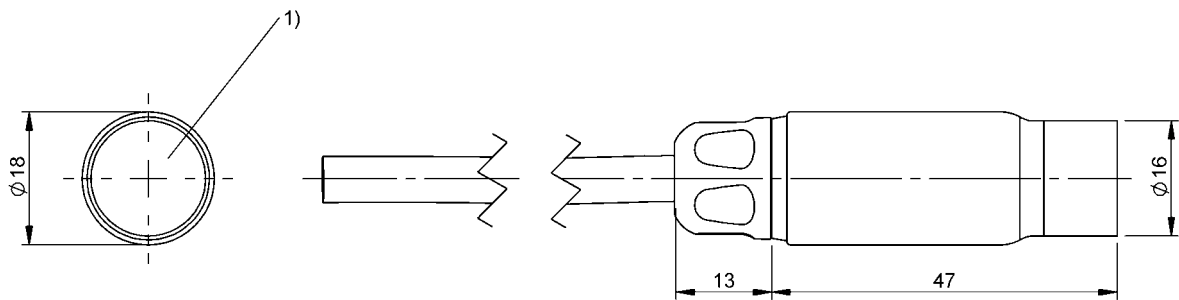




1) Ultrasonic transducer



Basic features

Series	G18E0
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Electrical connection

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

Electrical data

Current draw max.	25 mA
Load resistance RL min. (Analog V)	> 10 kOhm
Operating voltage Ub	12...30 VDC
Rated operating voltage Ue DC	24 V
Ultrasonic Frequency	140 kHz

Environmental conditions

Ambient temperature	-20...70 °C
IP rating	IP67
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 jacket	PVC
Material sensing surface	1.4404 stainless steel

Mechanical data

Dimension	Ø 18 x 60 mm
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Range/Distance

Measuring range	120...1000 mm
Rated operating distance Sn	800 mm
Repeat accuracy	2 %FS
Resolution	≤ 0.2 mm

Wiring Diagrams

