

DAB11-A100U

Measuring amplifier for 1-1 replacement of DABU AD2T-FB

Article number: 11238188

Overview

- Voltage output



Technical data

General data

Output signal	± 10 VDC
Non-linearity	< 0.01 %
Zero point deviation	< 0.2 %
Repeatability	< 0.01 %
Temperature effect zero	< 0.01 % / 10K

Mechanical data

Material housing	Aluminium, 6060, chem. passivated
Electrical connection on sensor side	M9, 4 pin, female
Electrical connection on control side	M12, 5 pin, male

Environmental conditions

Operating temperature range	$-40 \dots 85$ °C
Storage temperature range	$-40 \dots 85$ °C
Protection class EN 60529, ISO20653	IP 65
Vibration IEC 60068-2-6	10 ... 57 Hz: 1.5 mm p-p, 58 ... 2000 Hz: 10 g
Random IEC 60068-2-64	20 ... 1000 Hz: 0.1 g ² /Hz

Environmental conditions

Shock IEC 60068-2-27	50 g / 11 ms, 100 g / 6 ms
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Electrical data bridge

Bridge resistance	≥ 350 Ω
Signal area	1 mV/V
Power supply	2.5 VDC

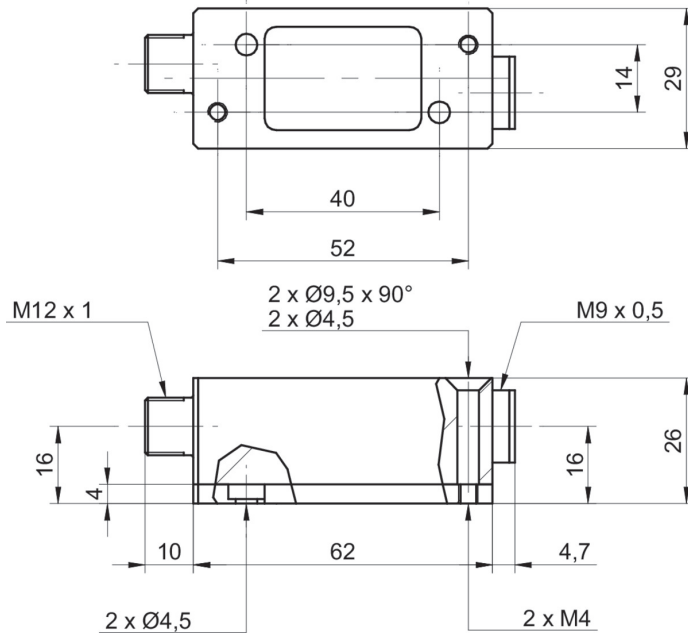
Electrical data

Supply voltage	18 ... 30 VDC
Current consumption	< 40 mA
Cut-off frequency (3 db)	1000 Hz
SNR @1.0 mV/V	> 75 dB
Short circuit protection	Yes
Reverse polarity protection	Yes
Zero adjustment active	> 5 VDC
Zero adjustment inactive	< 1 VDC
Zero adjustment pulse	> 1 ms
Zero adjustment time	< 30 ms

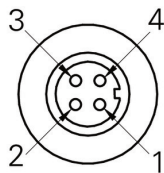
Compliance and approvals

Conformity	CE UL
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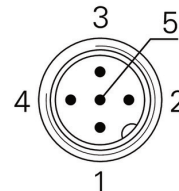
Dimensional drawings (mm)



Electrical connection



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|---|-------|
| 1 | +Vs |
| 2 | Sig - |
| 3 | Sig + |
| 4 | -Vs |



- | | |
|---|-------|
| 1 | +Vs |
| 2 | -Vout |
| 3 | GND |
| 4 | +Vout |
| 5 | Tare |