

## DAB11-A200U

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

Article number: 11238190

### Overview

- Voltage output



### Technical data

#### General data

|                         |                  |
|-------------------------|------------------|
| Output signal           | $\pm 10$ 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 ... 85 °C                                  |
| Storage temperature range           | -40 ... 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 <sup>2</sup> /Hz         |

#### Environmental conditions

|                      |                            |
|----------------------|----------------------------|
| Shock IEC 60068-2-27 | 50 g / 11 ms, 100 g / 6 ms |
|----------------------|----------------------------|

#### Electrical data bridge

|                   |                     |
|-------------------|---------------------|
| Bridge resistance | $\geq 350$ $\Omega$ |
| Signal area       | 2 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 @2.0 mV/V               | $> 80$ 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

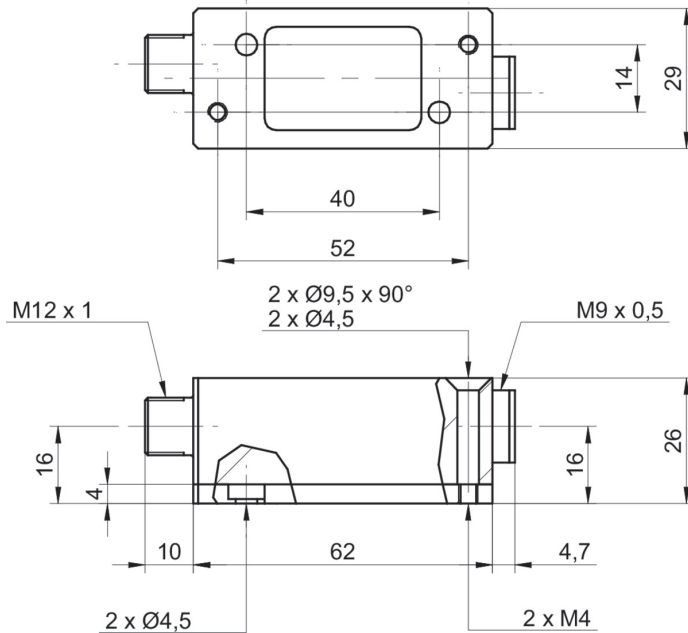
|            |          |
|------------|----------|
| Conformity | CE<br>UL |
|------------|----------|

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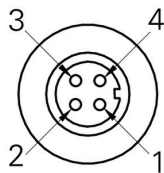
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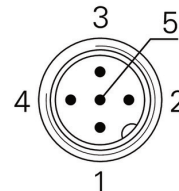
### Dimensional drawings (mm)



### Electrical connection



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



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