



Standard, active voltage signals are galvanically isolated, transmitted and converted to standard current signals via the 1-channel analog data transmitter IMS-AI-DU-DI/24VDC.

The device features one input circuit 0/2...10 V mA and one short-circuit protected output circuit 0/4... 20mA. Input circuit, output circuit and supply voltage are each galvanically isolated.

The input signals are linear converted and transmitted to the output.

A green LED indicates operational readiness.

Das Gerät bietet bei einer Baubreite von 6,2 mm eine galvanische Trennung bis zu 1,5 kV.

- **analogue signal transmitters**
- **6.2 mm width**
- **1-channel analogue signal transmitter**
- **Input circuit 4...10V**
- **Output signal 0...20mA**
- **Linearity <0,1% of full scale**
- **Accuracy <0,1% of full scale**
- **Galvanic isolation of input circuits, output circuits and supply voltage**

analogue signal transmitters
1-channel
IMS-AI-DU-Di/24VDC

| | |
|--------------------------------|------------------------|
| Type | IMS-AI-DU-Di/24VDC |
| Ident-No. | 7504001 |
| Nominal voltage | 24 VDC |
| Operational voltage range: | 19 ... 29 VDC |
| Power consumption | ≤ 0.312 W |
| Residual ripple | ≤ 5 mV _{ss} |
| Input circuits | |
| Voltage input | |
| Voltage | 0...10 VDC |
| Input resistance | 330 kΩ |
| Output circuits | |
| Output current | 0...20 mA |
| Load resistance current output | ≤ 0.4 kΩ |
| Limit frequency | < 30 Hz |
| Rise time (10-90%) | 10 ms |
| Dropout time (90...10%) | 10 ms |
| Measuring accuracy | ≤ 0.1 % of full scale |
| Linearity deviation | ≤ 0.1 % of full scale |
| Temperature drift | ≤ 0.00015 % / K |
| Test voltage | 1.5 kV |
| Constant voltage supply | 50 V |
| Indication | |
| Operational readiness | green |
| Mechanical Data | |
| Degree of protection | IP20 |
| Ambient temperature | -20 ...+ 60 °C |
| Housing length | 92.5 mm |
| Housing width | 6.2 mm |
| Housing height | 90 mm |
| Weight | 60 g |
| Mounting instruction | mounting on a DIN rail |
| Housing material | polycarbonate/ABS |
| Electrical connection | screw terminals |
| Terminal cross-section | 2.5 mm ² |

Dimensions

