



Standard, active voltage or current signals are galvanically isolated and transmitted via the 1-channel analog data transmitter IMS-Ai-DLi-DLi/L..

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

The input signals are transmitted 1:1 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 0...20mA**
- **Output signal 0...20mA**
- **3-way galvanic isolation**
- **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-Di-Di/24VDC

Type	IMS-AI-Di-Di/24VDC
Ident-No.	7504004
Nominal voltage	24 VDC
Operational voltage range:	19 ... 29 VDC
Power consumption	≤ 0.312 W
Residual ripple	≤ 5 mV _{ss}
Input circuits	
Current input	
Current input	0-20 mA
Input resistance	100 Ω
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	59 g
Mounting instruction	mounting on a DIN rail
Housing material	polycarbonate/ABS
Electrical connection	screw terminals
Terminal cross-section	2.5 mm ²

Dimensions

