



Standard, isolated active voltage signals are galvanically isolated and transmitted via the 2-channel analog data transmitter IMS-AI-DLi-22-DLi/L.

The device features two input circuits 0/4...20 V mA and two short-circuit protected output circuits 0/4...20mA. Input circuits and output circuits are galvanically isolated. Moreover, each input circuit and each output circuit is galvanically isolated.

The device is loop powered, transmission starts with 250 μ A. Required minimum voltage $2.8 \text{ V} + (20 \text{ mA} \times R_{\text{load}})$.

The input signals are transmitted 1:1 to the output.

The device is loop-powered. Separate power supply is not necessary.

- **analogue signal transmitters**
- **6.2 mm width**
- **2-channel analogue signal transmitter**
- **Input circuit 0/4...20mA**
- **Output signal 0/4...20mA**
- **Linearity <0,1% of full scale**
- **Accuracy <0,1% of full scale**
- **Loop-powered**
- **Galvanic isolation between input circuits and output circuits**

analogue signal transmitters
2-channel
IMS-AI-DLi-22-DLi/L

Type	IMS-AI-DLi-22-DLi/L
Ident-No.	7504011
Nominal voltage	Loop-powered
Power consumption	≤ 0.312 W
Residual ripple	≤ 5 mV _{ss}
Input circuits	
Voltage input	max. 29 VDC
Current input	
Current input	0/4...20 mA
Input resistance	100 Ω
Output circuits	
Output current	0/4...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
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

