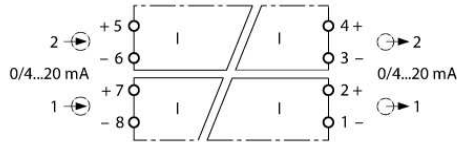


**Analog signal isolator  
2-channel  
IMS-AI-DLI-22-DLI/L**



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 mA and two short-circuit proof output circuits 0/4...20mA.

The device is loop powered, transmission starts with 250  $\mu$ A. Required minimum voltage 2.8 V + (20 mA x R<sub>load</sub>).

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

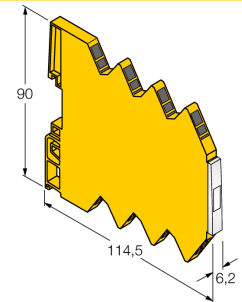
The device is loop-powered. Separate power supply is not necessary.

- Analog signal isolator
- Analog signal isolator, 2-channel
- Input circuits: 0/4...20 mA
- Output circuits: 0/4...20 mA
- Linearity < 0.1 % f.s.
- Accuracy < 0.1 % f.s.
- UL: Class1; Div 2; Group A,B,C,D
- Complete galvanic separation
- 6.2 mm width



**Analog signal isolator  
2-channel  
IMS-AI-DLI-22-DLI/L**

**Dimensions**



<b>Type code</b>	IMS-AI-DLI-22-DLI/L
Ident no.	7504011
<b>Nominal voltage</b>	Loop-powered
Power consumption	≤ 0.312 W
Residual ripple	≤ 5 mV <sub>ss</sub>
<b>Voltage input</b>	max. 29 VDC
Current input	0/4...20 mA
Input resistance (current)	100 Ω
<b>Output circuits</b>	
Output current	0/4...20 mA
Load resistance current output	≤ 0.4 kΩ
<b>Limit frequency</b>	≤ 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
<b>Galvanic separation</b>	
Test voltage	1.5 kV
<b>Rated voltage</b>	50 V
<b>Mechanical Data</b>	
Protection class	IP20
Ambient temperature	-20...+60 °C
Storage temperature	-40...+80°C
Dimensions	114.5x 6.2x 90 mm
Weight	60 g
Mounting instruction	For mounting on DIN rail
Housing material	Polycarbonate/ABS
Electrical connection	Screw terminals
Terminal cross-section	2.5 mm <sup>2</sup>
Tightening torque	0.5 Nm