

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



The 2-channel IMS-AI-DLI-22-DLI/L analog signal isolator is designed to transmit normalized active current signals galvanically isolated.

The device is equipped with two input circuits of 0/4...20 mA and two short-circuit proof output circuits of 0/4...20 mA.

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

The input signals are transmitted 1:1 without interference and made available at the output.

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

- Input circuits: 0/4...20 mA
- Output circuits: 0/4...20 mA
- Accuracy < 0.1 % of full scale
- Complete galvanic isolation
- Input reverse-polarity protected
- 6.2 mm width
- UL: Class1, Div 2, Group A, B, C, D; GOST



Dimensions

Type	IMS-AI-DLI-22-DLI/L
ID	7504011
Nominal voltage	24 VDC loop-powered
Power consumption	≤ 0.312 W
Residual ripple	≤ 5 mV _{ss}
Voltage input	Max. 29 VDC
Input current	0/4...20 mA
Input resistance (current)	≤ 100 Ω
Output circuits	
Output current	0/4...20 mA
Load resistance current output	≤ 0.4 kΩ
Response characteristic	
Rise time (10...90 %)	≤ 10 ms
Fall time (90...10 %)	≤ 10 ms
Measuring accuracy (including linearity, hysteresis and repeatability)	≤ 0.1 % of full scale
Temperature drift	≤ 0.00015 % of full scale/K
Galvanic isolation	
Test voltage	1.5 kV
Displays/Operating elements	
Mechanical data	
Protection class	IP20
Flammability class acc. to UL 94	V-0
Ambient temperature	-20...+60 °C
Storage temperature	-40...+80 °C
Dimensions	114.5 x 6.2 x 90 mm
Weight	60 g
Mounting instructions	DIN rail (NS35)
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	Screw terminals
Terminal cross-section	2.5 mm ²
Tightening torque	0.5 Nm

