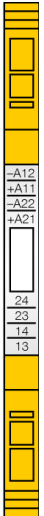
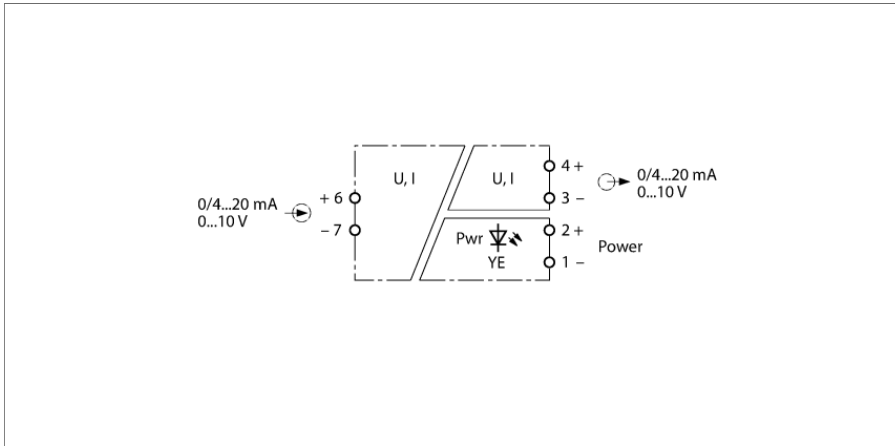


**Analog signal isolator  
1-channel  
IMS-AI-UNI/24V**



Standard active voltage or current signals are transmitted galvanically isolated and converted to other signal types via the 1-channel universal analog signal isolator IMS-AI-UNI/24VDC.

The device is equipped with available input circuit of 0/4...20 mA or 0... 10 V and a variable short-circuit proof output circuit of 0/4... 20 mA or 0 ... 10 V.

The transmission characteristic (for input and output signal type) is adjusted via side-mounted DIP switches. The input signals are transmitted according to the setting 1:1 and made available to the outputs.

A yellow LED indicates operational readiness. With a width of 6.2 mm, the device is galvanically isolated up to 1.5 kV.

- **UL: Class1, Div 2, Group A, B, C, D; GOST**
- **Input circuit: 0/4...20 mA or 0...10 V**
- **Output circuit: 0/4...20 mA or 0...10 V**
- **Type of input and output signal adjusted via DIP switch**
- **Accuracy < 0.1 % of full scale**
- **Complete galvanic isolation**
- **Input reverse-polarity protected**
- **6.2 mm width**

**Analog signal isolator**  
**1-channel**  
**IMS-AI-UNI/24V**

<b>Type designation</b>	IMS-AI-UNI/24V
Ident-No.	7504009
<b>Nominal voltage</b>	24 VDC
Operating voltage range	16.8...30 VDC
Power consumption	≤ 0.312 W
Residual ripple	≤ 5 mV <sub>ss</sub>
<b>Voltage input</b>	0/2...10 VDC
Input resistance (voltage)	≥ 330 kΩ
Input current	0/4...20 mA
Input resistance (current)	≤ 100 Ω
<b>Output circuits</b>	
Output current	0/4...20 mA
Output voltage	0...10 V
Load resistance voltage output	≥ 1 kΩ
Load resistance, current output	≤ 0.4 kΩ
<b>Rise time (10...90 %)</b>	≤ 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
<b>Galvanic isolation</b>	
Test voltage	1.5 kV
<b>Indication</b>	
Operational readiness	yellow
<b>Mechanical Data</b>	
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	Polycarbonate/ABS
Electrical connection	Screw terminals
Terminal cross-section	2.5 mm <sup>2</sup>
Tightening torque	0.5 Nm

**Dimensions**

