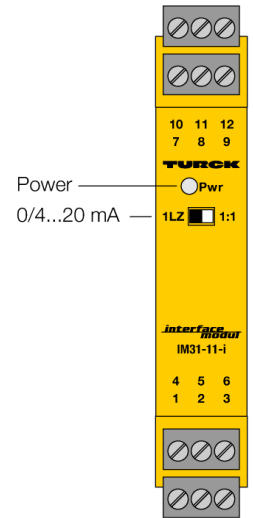
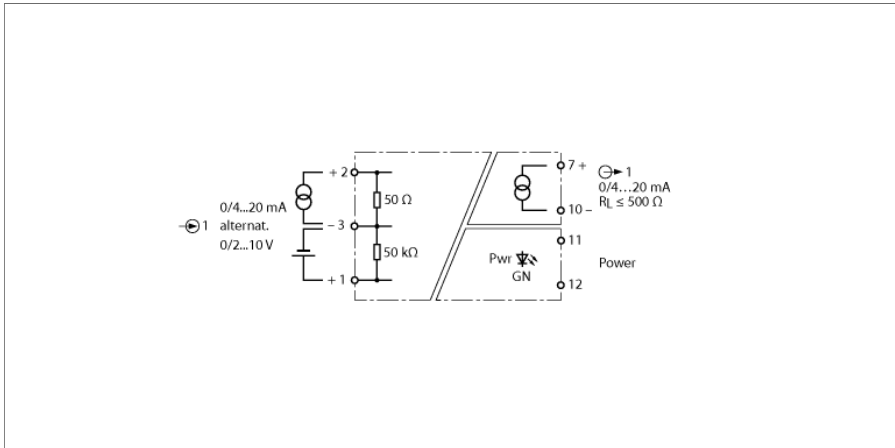


**Analog signal isolator  
1-channel  
IM31-11-I**



Standard active voltage or current signals are transmitted galvanically isolated via the 1-channel analog signal isolator IM31-11-I.

The device is equipped with one input circuit of 0/2...10 V or 0/4...20 mA and one short-circuit proof output circuit of 0/4...20 mA.

The transmission characteristic is adjusted via a DIP switch on the front. In switch position "1:1", the input signal is transmitted directly to the output. In "LZ" switch position, a dead-zero signal at the input (0...10 V / 0...20 mA) is converted and provided as a live-zero signal at the output (4...20 mA).

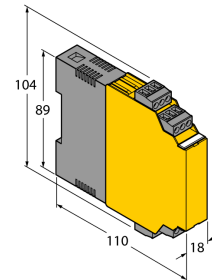
A green LED indicates operational readiness.

- TR CU
- Transmission of normalized analog signals
- Input circuit: 0/2...10 V or 0/4...20 mA
- Output circuit: 0/4...20 mA
- Complete galvanic isolation

**Analog signal isolator  
1-channel  
IM31-11-I**

<b>Type code</b>	IM31-11-I
Ident no.	7506323
<b>Nominal voltage</b>	Universal voltage supply unit
Operating voltage	20...250 VAC
Frequency	40...70 Hz
Operating voltage range	20...125 VDC
Power consumption	≤ 2.2 W
<b>Voltage input</b>	0/2...10 VDC
Input resistance (voltage)	≥ 50 kΩ
Current input	0/4...20 mA
Input resistance (current)	≤ 50 Ω
<b>Output circuits</b>	
Output current	0/4...20 mA
Load resistance, current output	≤ 0.5 kΩ
<b>Rise time (10-90%)</b>	≤ 50 ms
Dropout time (90...10%)	≤ 50 ms
Measuring accuracy	≤ 0.1 % of full scale
Reference temperature	23 °C
Temperature drift	≤ 0.005 % / K
<b>Galvanic isolation</b>	
Test voltage	2.5 kV
<b>Indication</b>	
Operational readiness	green
<b>IP Rating</b>	IP20
Flammability class acc. to UL 94	V-0
Ambient temperature	-25 ...+70 °C
Storage temperature	-40...+80°C
Relative humidity	≤ 95 %
Dimensions	104 x 18 x 110 mm
Weight	134 g
Mounting instruction	for DIN rail / panel
Housing material	polycarbonate/ABS
Electrical connection	4 x 3-pin removable terminal blocks, reverse polarity protected, screw connection
Terminal cross-section	1 x 2.5 mm <sup>2</sup> / 2 x 1.5 mm <sup>2</sup>
Tightening torque	0.5 Nm

**Dimensions**



**Accessories**

Type code	Ident no.	Description	Design
IM-CC-3X2BK/2BK	7541218	Cage clamp terminals for IM modules ( Ex-devices with 18 mm overall width); includes: 4 pcs. of 3-pin black terminals	