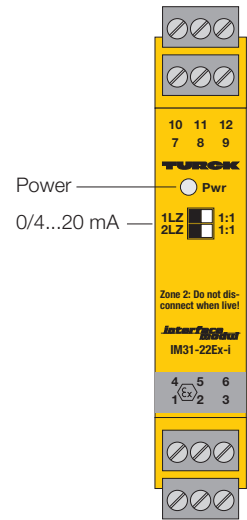
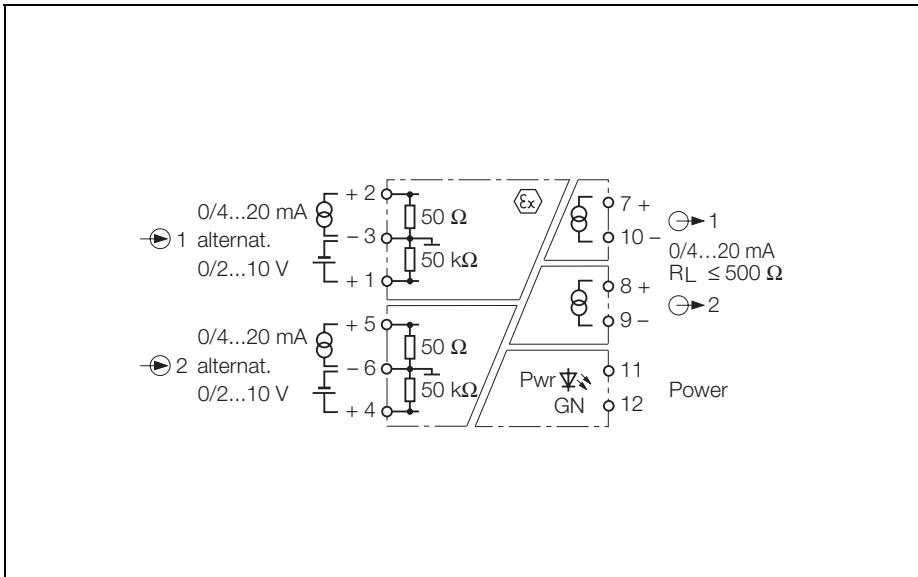


analogue signal transmitters
2-channel
IM31-22EX-I



Isolated active voltage or current signals are galvanically isolated and transmitted via the 2-channel analog data transmitter IM31-22EX-I from the Ex area to the safe area.

The device features two input circuits of 0/2...10 V and 0/4...20 mA as well as two short-circuit protected output circuits of 0/4...20 mA. Input circuits, output circuits and supply voltage are each galvanically isolated.

In 1 : 1 switch position input signals are transmitted without attenuation to the outputs in the safe area. In "LZ" switch position a dead-zero signal at the input (0...10 V / 0...20 mA) is converted to a live-zero signal at the output (4...20 mA)

The green LED indicates operational readiness.

- **Intrinsically safe input circuits EEx ia**
- **Application area according to ATEX : II (1) GD**
- **Transmission of standard analogue signals from the explosion hazardous area to the safe area**
- **Input 2x0/2...10V or 0/4...20mA**
- **Output: 2x0/4...20 mA**
- **Galvanic isolation of input circuits to output circuits and supply voltage**
- **Removable terminal blocks**
- **Universal operating voltage (20...250VAC/ 20...125VDC)**
- **Galvanic isolation of input circuits to output circuits and supply voltage**

