

Signal converter

Signal converter for potentiometers



PMU 0...10 V
PMI 4...20 mA

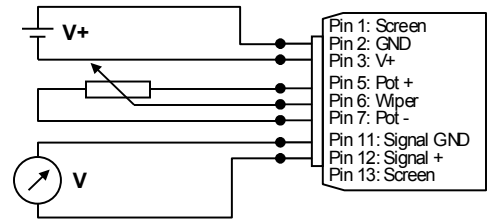
- *Transforms potentiometer signals into 0...10 V or 4...20 mA*
- *Input: potentiometer 1...10 kOhm*
- *Output PMU: 0...10 V, PMI: 4...20 mA*
- *Zero (Offset) and gain adjustable*
- *DIN-Rail-Mounting with face connector*
- *High noise immunity*
- *Low ripple*

Technical Datas

PMU 0...10V voltage output

output	0...10 V, galvanically isolated, 4-wire
input	potentiometer 1...10 kOhm
supply	12...36 VDC
current consumption max.	26 mA (no load), 44 mA
output current	max. 10 mA, min. load 1 kOhm
dynamics	< 3 ms from 0..100% and 100..0%
ripple	21 mVpp
inverse-polarity protection	yes, infinite
short-circuit-proof	yes, permanent
working temperature	-40...+85°C
temperature coefficient	0,0037%/K

Connection 0...10V

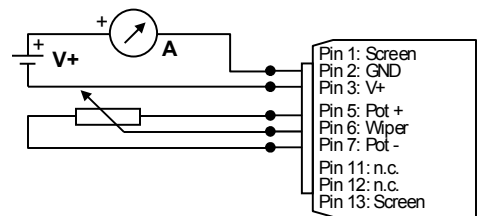


Note for PMU 0...10 V (3-wire): Signal GND and supply GND can be connected

PMI 4...20 mA current output

output	4...20 mA, 2-wire
input	potentiometer 1...10 kOhm
supply	9...36 VDC
current output	max. 50 mA fault (i.e. no pot.)
output load	max. 130 Ohm
dynamics	< 1 ms from 0..100% and 100..0%
ripple	0,03 mAss = 6 mVss for 100 Ohm
inverse-polarity protection	yes, infinite
working temperature	-40...+85°C
temperature coefficient	0,0079 %/K

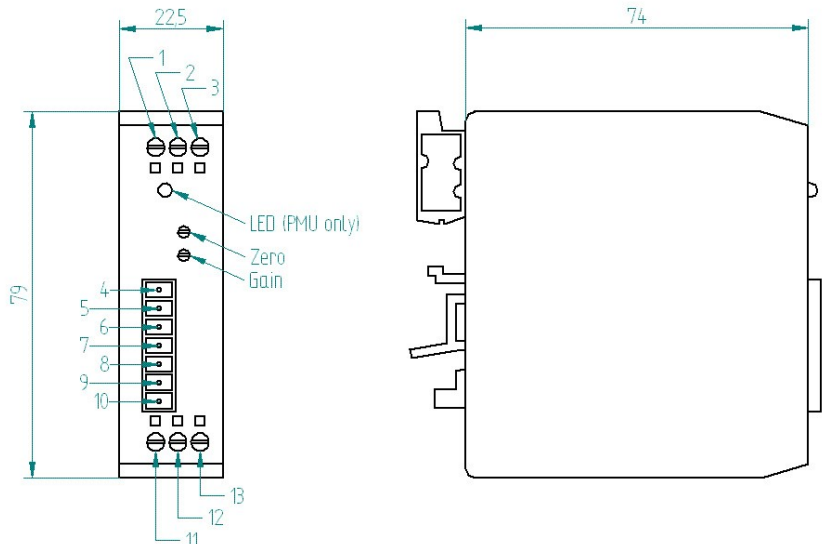
Connection 4...20 mA



Adjustment notice:

please beware, zero and gain are likely to shift if the distance between potentiometer and signal conditioner increases. Therefore, install the potentiometer with the necessary cable length to the electronic first, and second adjust zero and gain.

Dimensions (protection rate: IP30 - EN60529)



Preise

PMU/PMI

130 €

We reserve the right to alter the specification without prior notice

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