Passive Converter Module AD-TW 401 MO

Description

The converter serves to separate the potential of the impressed currents. It does not require any auxiliary power; the for the operation required energy will be taken from the test signal. The response ratio is 1:1.

Application

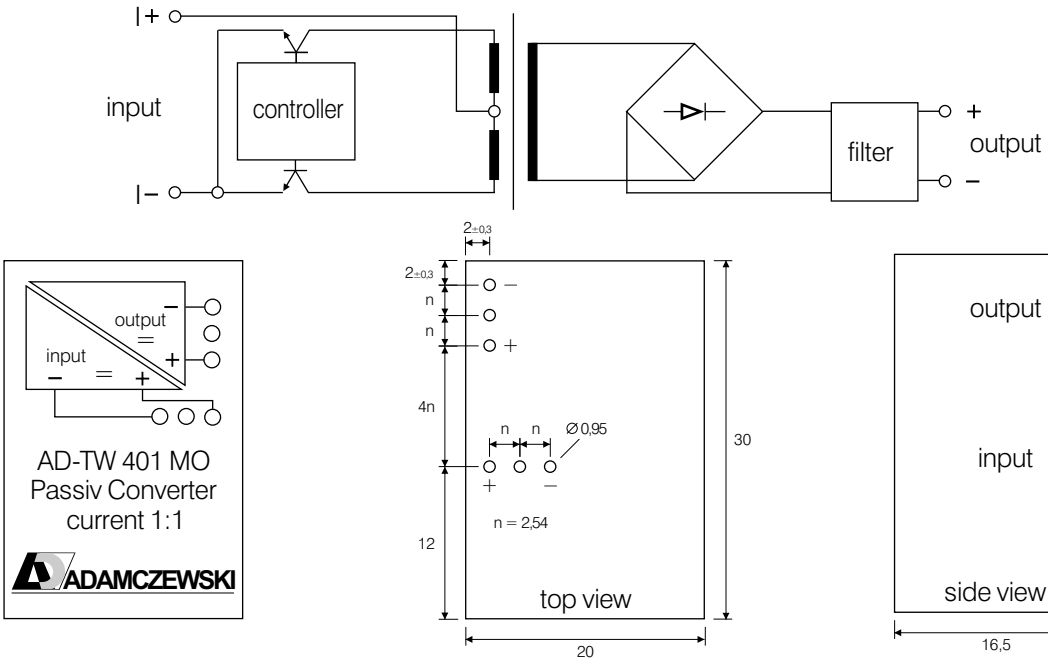
The multiple applications of these transducers include the economical detachment from the computer input, the apply as guard circuit before the high sensitive measuring instruments and the galvanical isolation in complex measuring systems.

The module AD-TW 401 MO is suitable to incorporate with circuit arrangement in existing.

Specification

Input:	impressed direct current 0/4...20 mA, max. 50 mA
Input voltage drop:	Uw <1,5 V at IE = 20 mA
Input impedance:	R= Ra + Uw/IE IE = Input current RA= burden
Critical frequency:	5 kHz (-3dB) at 500 Ohm load and Input 20 mA
Output:	= Input, 1:1
max. load:	600 Ohm at 20 mA Input
Ripple frequency:	< 0,5% (at 20 mA Input and 600 Ohm load)
Linearity:	<0,03% / 100 Ohm
Oscillation current:	30 µA
Response time:	150 µs (Input jump 0 to 20 mA, load = 600 Ohm, the signal increases from 10% to 90%
Isolation voltage:	Input-Output 500 V
Protection:	Input: Over voltage limited to 24V protection of confusing the poles
Output:	Over voltage limited to 24 V
Ambient temperature:	0 to +50 C
Difference in temperature:	ca. 15 ppm/°K
weight:	ca. 21 g

Connections and dimensions: AD-TW 401 MO



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