

Passive Separation Converter

AD-TW 42 GS
AD-TW 41-48 EV (*)

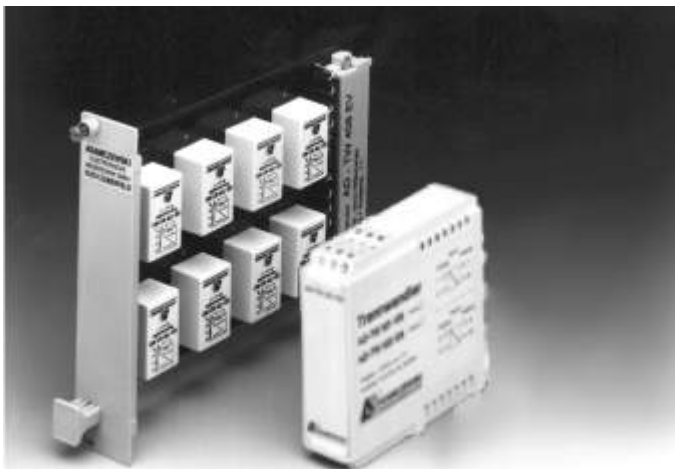
Description:

The separation converter serves the galvanic separation of impressed currents. It obtains its auxiliary energy from the input signal. The connection of an additional auxiliary voltage is not necessary. The output current is independent of the connected load up to the maximum value.

Available as 2-channel switchboard housing or 1-8 channel 19" euro-board format

Application:

Economic separation of computer inputs, protection of sensitive units against potential delay, galvanic decoupling in complex measuring units.



Caution:

with open output the input becomes high-impedance

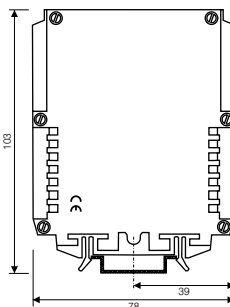
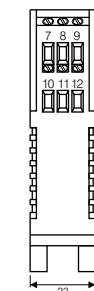
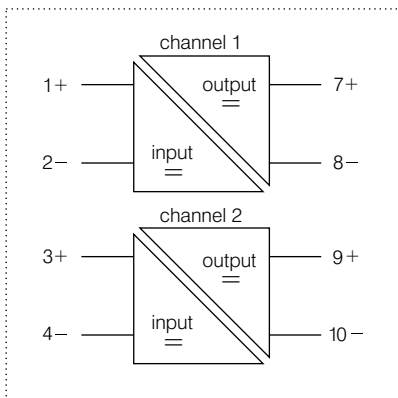
Technical data:

construction type:	GS: 2- channel switchboard housings EV: 1-8 channel 19" euro-board format
input:	impressed current 0...20 mA resp. 4...20 mA output = input 1:1
transducer voltage drop:	<= 1,5 V
output:	0...20 mA resp. 4...20 mA Input/Output 1:1
max load:	600 Ohm with $I_{out} = 20$ mA
load failure:	-0,03%/100 Ohm
ripple frequency:	<0,5% with 600 Ohm and 20 mA
max transmission frequency:	500Hz with 500 Ohm
reaction time:	input-step 0...20 mA output 10...90%, 50 ms
insulation voltage:	input/output 500 VDC
ambient temperature:	0...50°C
temperature fluctuation:	approx. 15 ppm/°K
protective systems:	input/output against confusing the poles, over-current
CE-conformity:	EN 50081-2, EN 50082-2

(*) channel configuration must be defined by order

Connections and dimensions: AD-TW 42 GS

weight 130 g
protection: IP 20
manner of fastening:
attachment rail: NS35/7,5
connection data:
fine-wire: 2,5 mm²
single-wire: 4 mm²
max. voltage: 250 V~

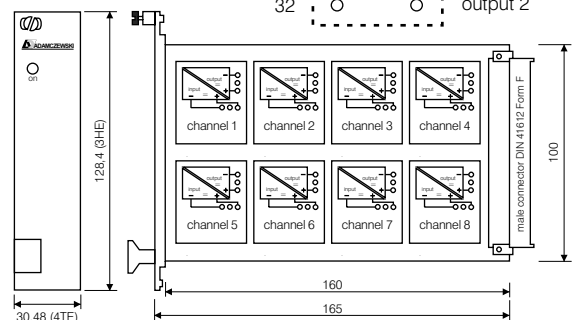
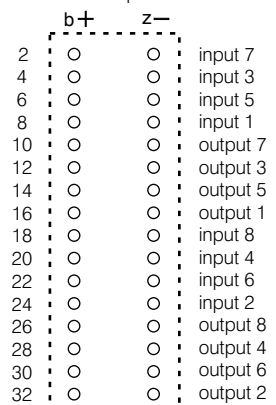


Connections and dimensions:

AD-TW 41-48 EV (*)

weight: max. 300g
protection: IP 00

view on multipoint connector



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ADAMCZEWSKI
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13
Tel. +49 (0)7046-875
vertrieb@ad-messtechnik.de

74374 Zaberfeld
Fax +49 (0)7046-7678
www.adamczewski.com