

Isolation Transmitter

AD-TWT 21 ST
AD-TWT 25 ST
AD-TWT 61 ST

Description

The isolation 2-wire-transmitter impress into a supply voltage an alternating signal into a linear direct current signal of 4-20 mA. Here the output signal is isolated galvanically in further range independent from the connected supply voltage.

Application

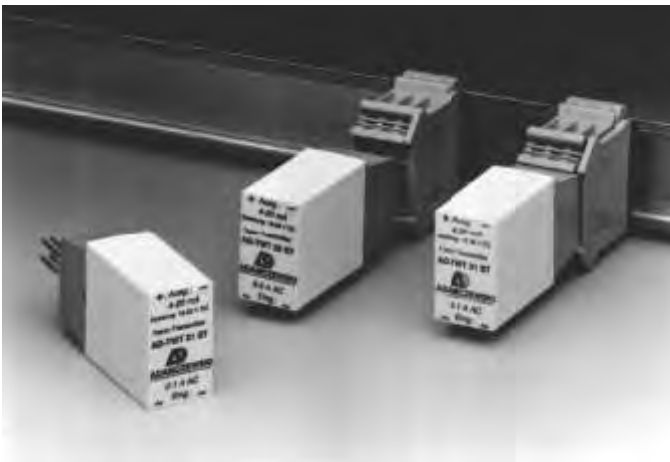
Economical galvanical isolation and conversion of alternating current signals in an impressed 4-20 mA signal with facile to employ 2-wire-transmitter-technic.

Specification

- 2-wire-transmitter technic, low wiring elaborateness
- high linear conversion with galvanical isolation
- output signal of 4-20 mA independent from supply voltage
- facile applicable plug-construction system on terminal block
- connection compatible for further passive Isolation transmitter.

Description:

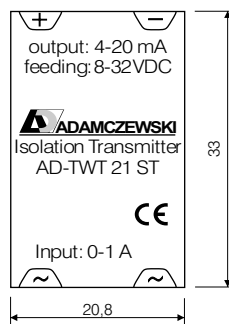
Power supply:	8-32 V DC
Input:	AD-TWT 21 ST: 0-1 A AC AD-TWT 25 ST: 0-5 A AC AD-TWT 61 ST: 0-400 V AC each with 50 Hz, sinus
Power supply drop:	no
Influence in temperature:	< 150 ppm/K
Reaction time:	ca. 700 ms (10-90%)
Output:	4-20 mA
Load:	$R_b = (U_{sp} - 8V) / 20 \text{ mA}$
Ripple frequency:	max. 0,5% from the final value
Linearity:	< 0,2 % from the final value
Isolation test voltage:	4 kV RMS
Ambient temperature:	0-50 °C
Protection:	over voltage protection 39 V over current protection approx. 75 mA over temperature protection



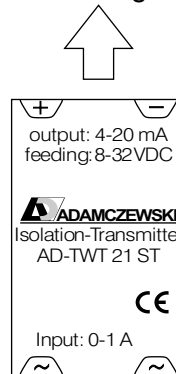
Connections and dimensions: AD-TWT 21 ST
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weight max. 200 g
protection: IP 20
manner of fastening:
attachment rail: NS35/7,5

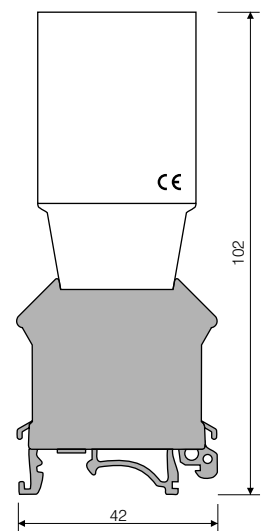
connection data:
fine-wire: 2,5 mm²
single-wire: 4 mm²
max. voltage: 250 V~



OUTPUT
with
Transmitter-
feeding



INPUT



Printed 04/2008. We reserve the right for technical changes



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