

AC-Voltage Isolation Amplifier (1- and 3-channel)

AD-TV 561 GC
AD-TV 563 GA

Description:

The isolation amplified AD-TV 56x converts sinusoidal alternating voltages to analogue, optionally according to the effective values, output signals in up to three independent channels. With the measuring principle of real effective value measuring, distorted alternating signals can also be accurately captured.

Input, output, the supply voltage and the channels amongst each other are galvanically isolated from each other. The output signals are independent of the connected load up to a maximum value.

Application:

Multi-channel capturing, galvanic isolation, conversion and amplification of alternating voltages in analogue signals. Optional effective value conversion, adaptation and amplification of output signals of voltage converters.

Technical data:

Construction type:	surface housing AD-TV 561 GC (1-channel) AD-TV 563 GA (3-channel)
Power supply (*):	230V AC +/-10% 50-60Hz alternative: 20-30V DC (galvanic isolation integrated)
Power consumption:	ca. 5 VA resp. 6 W
Input(*):	AC-voltage, 50Hz sinus (min. 30V AC; max. 600V AC)
Output(*):	impressed voltage or current e.g. 0...20 mA; 4...20 mA; 1...10V (others on request)
Output-load:	current: max. 800 Ohm/channel voltage: min 500 Ohm/channel
Linearity:	<0,3%
Influence of temperature:	<200 ppm/K
Insulation test voltage:	input/output: 5 kV RMS signal/supply: 4 kV RMS/AC 2 kV RMS/DC
Protective system:	input/output: against over-voltage over-current supply: against over-voltage, over-current, over-temperature
Ambient temperature:	0...+50°C

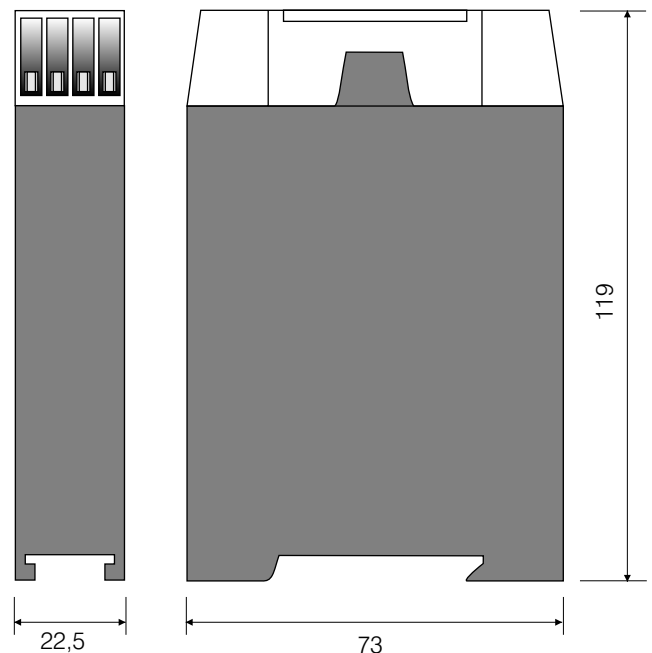
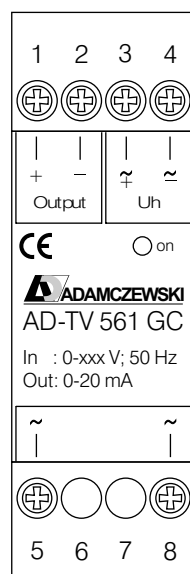
(*) values must be defined by order



Connections and dimensions: AD-561 GC

weight 150 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~



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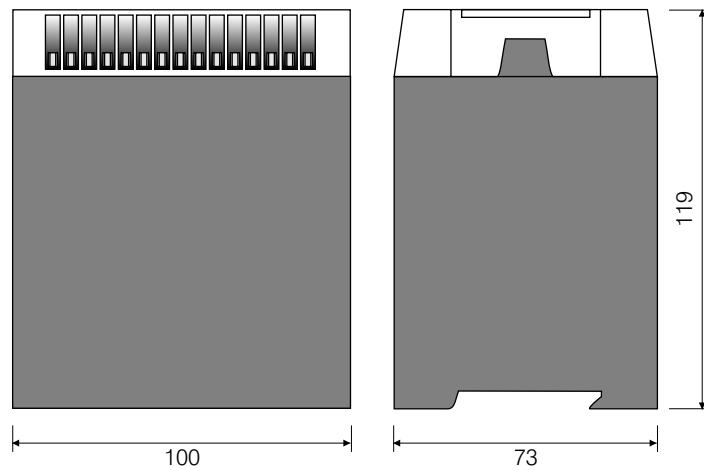
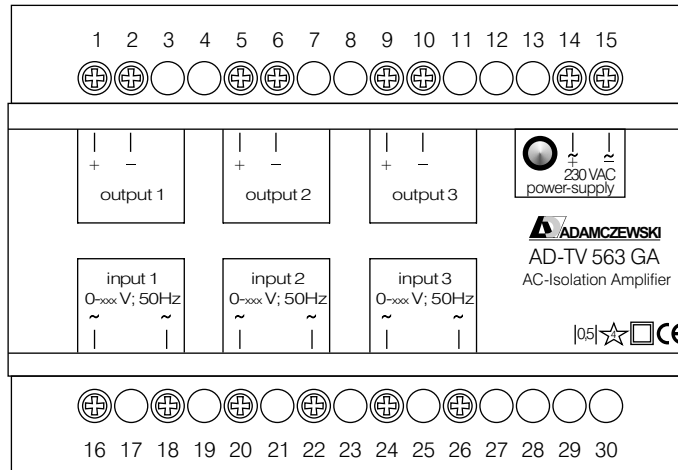
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Connections and dimensions: AD-563 GA

weight 450 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~



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