

Isolation Amplifier

AD-TV 24 GL

Description

The separation amplifier AD-TV 24 GL serves the galvanic separation and amplification of DC-current signals (0/4-20 mA). The output signal follows linear the input dimension and is independent of the connected burden up to a limiting value.

Input, output and supply voltage are galvanically separate from each other with high insulation. An integral electronic power pack with a high degree of effectiveness prevents strong heating and allows high output loads. A high packing density is achieved in combination with a narrow type of construction.



Application

Burden amplification and galvanic decoupling of active DC-current signals in a cost-effective build-up.

Specifications

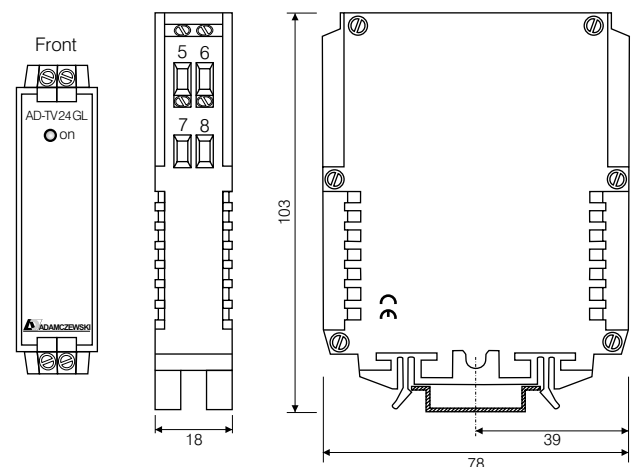
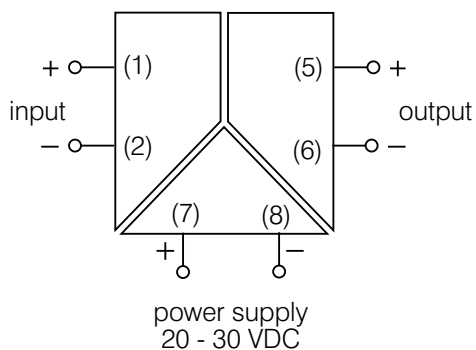
Construction type:	1-channel switchboard housing
Power supply:	20-30 VDC internal galvanical separate
Power consumption:	approx. 0,8 W
Input:	0...20 mA or 4...20 mA
Input voltage drop	50 Ohm
Output:	0...20 mA or 4...20 mA input/output = 1:1
Output load:	max. 500 Ohm
Linearity:	< 0,2%
Effect of temperature:	100 ppm/°K
Insulation test voltage:	input/output 3,75 kV RMS signal/power supply 4 kV RMS
Protective systems:	input/output against over voltage, polarity reversal and over current power supply: against over voltage, over current and overheating
EMC	
Product family standard	EN 61326
Emitted interference	EN 55011, CISPR11 Cl. B
Electrical safety requirements	
Product family standard	EN 61010-1
Ambient temperature	0...+50°C

Connections and dimensions: AD-TV 24 GL

Input: 0-20 mA or 4-20 mA
Output: 1:1 to input signal

weight: ca. 140 g
protection: IP 20
manner of fastening:
DIN rail: NS35/7,5

connection data:
fine-wire: 2,5 mm²
single-wire: 4,0 mm²
max. voltage: 250 V~



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